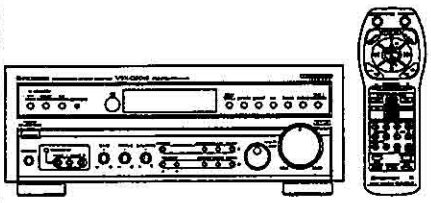
PIONEER®
The Art of Entertainment

Service Manual



ORDER NO.
RRV1713

AUDIO/VIDEO STEREO RECEIVER

VSX-D506S
VSX-456

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model		Power Requirement	Remarks
	VSX-D506S	VSX-456		
KUXJ I	O	O	AC120V	
KCXJ I	O	O	AC120V	

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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

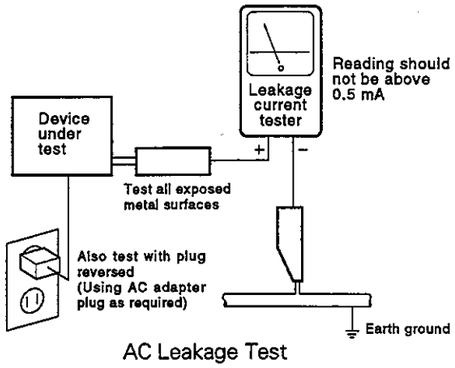
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Leakage current tester
Reading should not be above 0.5 mA
Device under test
+
−
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground
AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage , etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

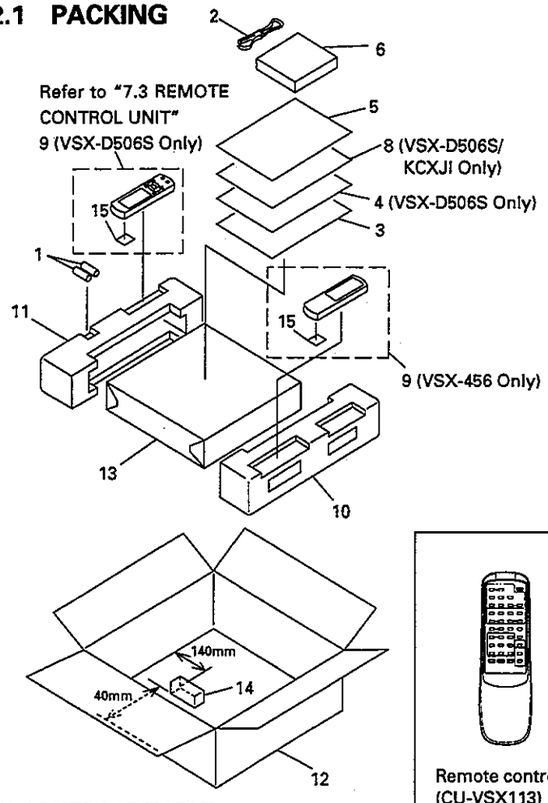
Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

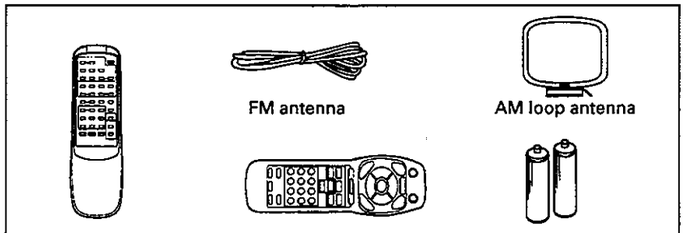
NOTES: • *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
• *The ⚠ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.*
• *Screws adjacent to ▼ mark on the product are used for disassembly.*

2.1 PACKING



(1) PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	Dry Cell Battery	See Contrast table (2)
	2	FM Antenna	ADH7004
	3	Operating Instructions	See Contrast table (2)
	4	Sub Instruction Manual (English)	See Contrast table (2)
NSP	5	Warranty Card	See Contrast table (2)
	6	AM Loop Antenna	ATB7009
	7	.....	
	8	Operating Instructions (French)	See Contrast table (2)
	9	Remote Control Unit	See Contrast table (2)
	10	Front Pad	AHA7137
	11	Rear Pad	AHA7140
	12	Packing Case	See Contrast table (2)
	13	Packing Sheet	AHG7010
	14	Sub Pad B	AHB7027
	15	Battery Cover	See Contrast table (2)


FM antenna
AM loop antenna
Remote control unit (CU-VSX113)
Remote control unit (CU-VSX115)
Alkaline dry cell battery (size "AA" IEC LR6) x 2

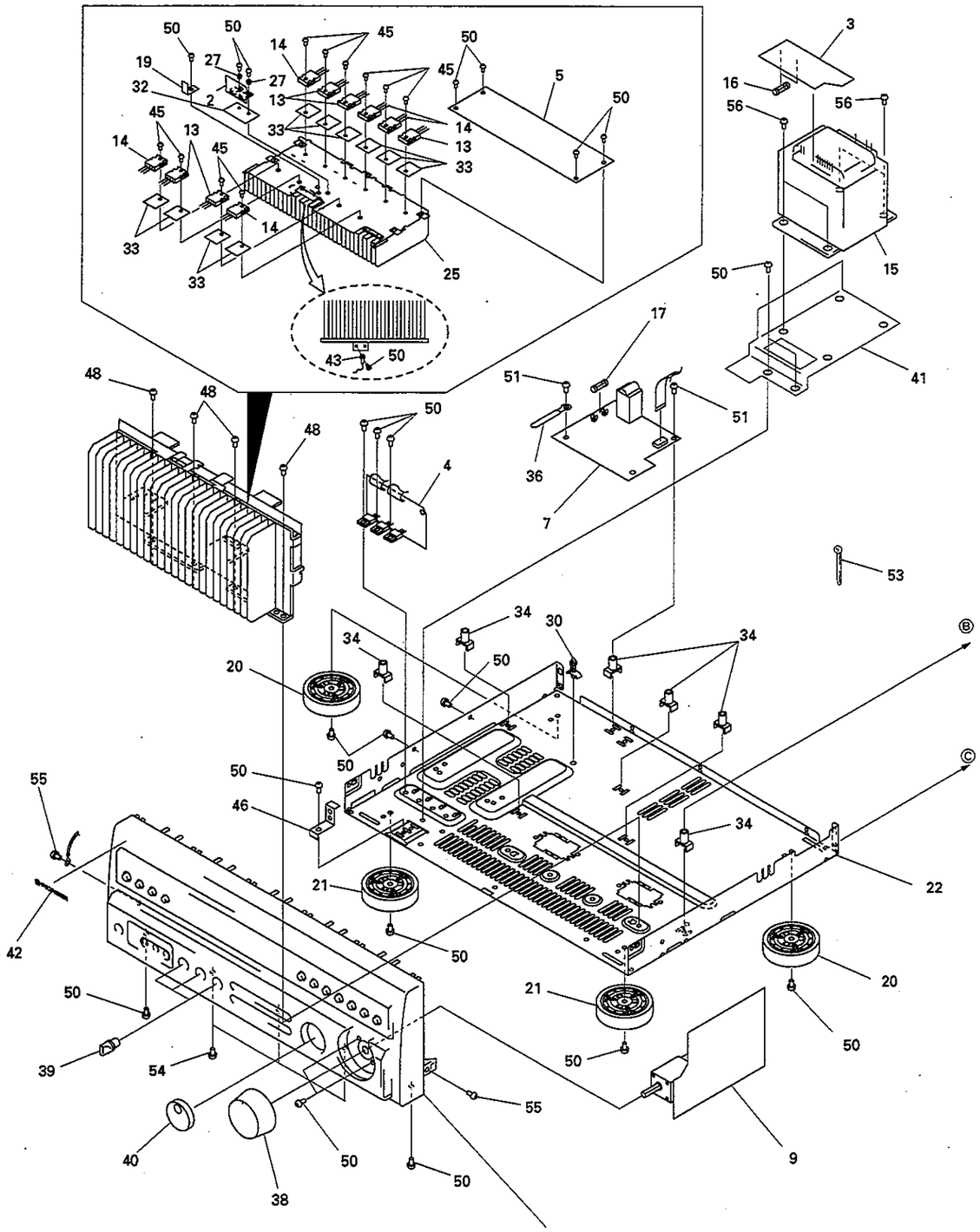
(2) CONTRAST TABLE

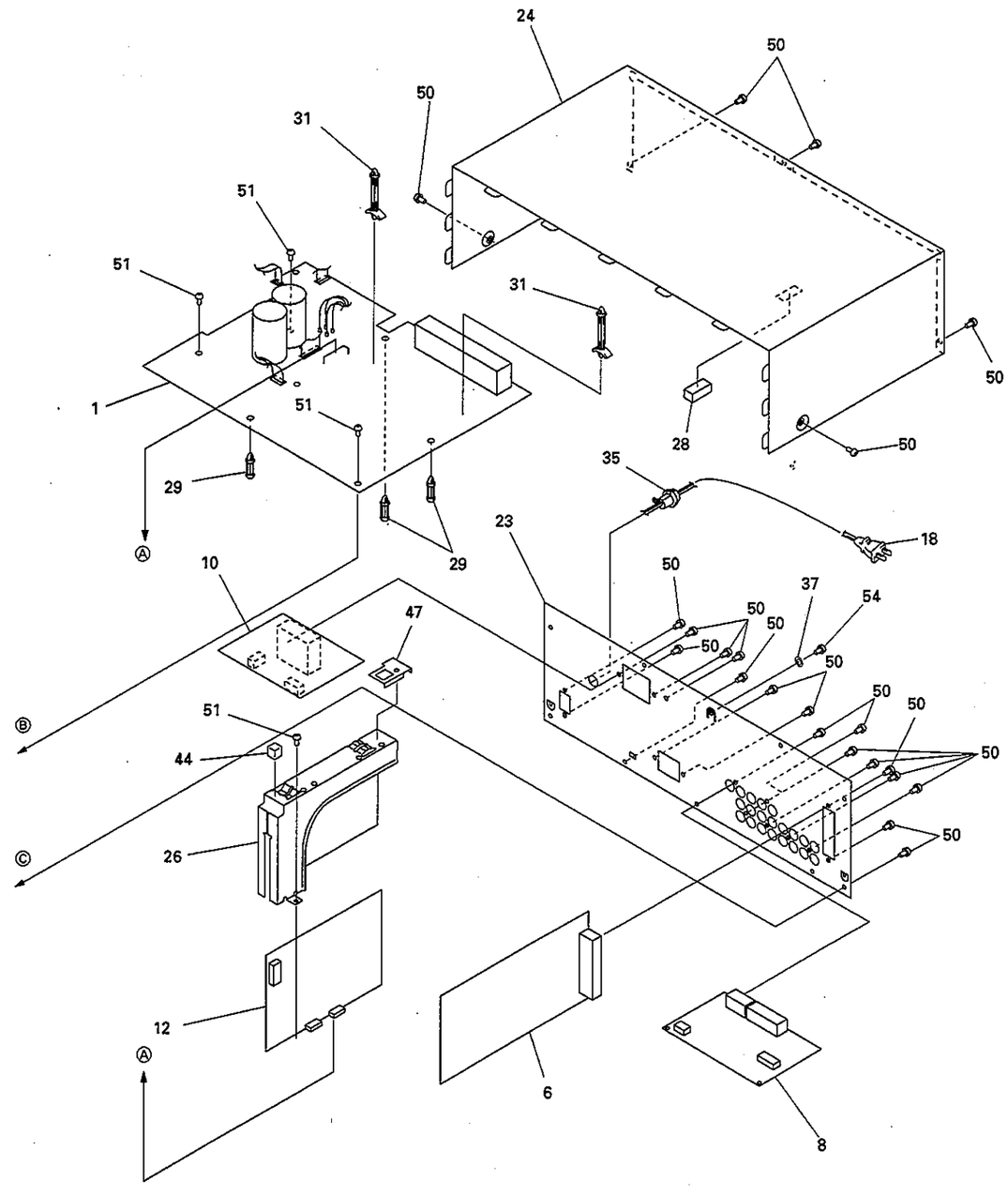
VSX-D506S/KCXJI, VSX-456/KUXJI, KCXJI and VSX-D506S/KUXJI have the same construction except for the following :

Mark	No.	Srmbol & Description	Part No.				Remarks
			VSX-D506S		VSX-456		
			KUXJI	KCXJI	KUXJI	KCXJI	
NSP	1	Alkaline Dry Cell Battery (LR6,AA)	AEX1007	AEX1007	Not used	Not used	
NSP	1	Dry Cell Battery (R6P,AA)	Not used	Not used	VEM-013	VEM-013	
	3	Operating Instructions (English)	ARB7091	ARB7091	ARB7089	Not used	
	3	Operating Instructions (English/French)	Not used	Not used	Not used	ARE7098	
	4	Sub Operating Instructions (English)	ARH7015	ARH7015	Not used	Not used	
NSP	5	Warranty Card	ARY1051	ARY1075	ARY1051	ARY1075	
	8	Operating Instructions (French)	Not used	ARC7141	Not used	Not used	
	9	Remote Control Unit (CU-VSX115)	AXD7124	AXD7124	Not used	Not used	
	9	Remote Control Unit (CU-VSX113)	Not used	Not used	AXD7119	AXD7119	
	12	Packing Case	AHD7357	AHD7357	AHD7356	AHD7356	
	15	Battery Cover	AZN7327	AZN7327	AZA7123	AZA7123	

VSX-D506S, VSX-456

2.2 EXTERIOR





(1) PARTS LIST

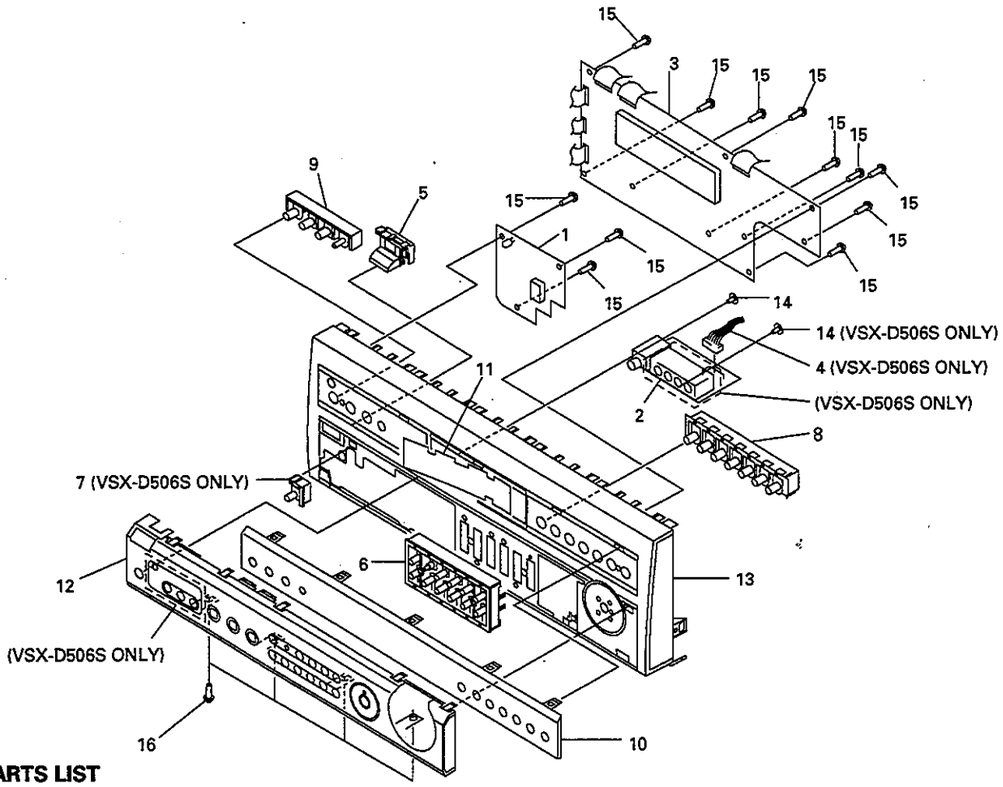
Mark	No.	Description	Parts No.
	1	INPUT ASSY	AWZ8609
NSP	2	MOS FET ASSY	AWZ8497
	3	TRANS ASSY	AWZ8593
	4	REG.1 ASSY	AWZ8599
	5	R/C AMP ASSY	AWZ8805
	6	FM/AM TUNER MOJULE	AXQ7219
NSP	7	PRIMARY ASSY	AWZ8598
	8	VIDEO/SR ASSY	See Contrast table (2)
	9	VOLUME ASSY	AWZ8600
	10	R/C SPEAKER ASSY	AWZ8597
	11	.....	
	12	PRO LOGIC ASSY	See Contrast table (2)
⚠	13	Transistor	2SA1962
⚠	14	Transistor	2SC5242
⚠	15	Power Transformer (AC 120V)	See Contrast table (2)
⚠	16	Fuse (FU3, FU4 : 1.6A)	REK1077
⚠	17	Fuse (FU1 : 6.3A)	REK1085
⚠	18	AC Power Cord	PDG1015
	19	FET Plate	ANG7124
	20	Insulator Assy	DXA1490
	21	Insulator	PNW1912
	22	Chassis	ANA7052
	23	Rear Panel	See Contrast table (2)
	24	Bonnet Case	ANE7136
	25	Radiator	ANH7050
	26	Shield Case	ANK7032
NSP	27	Bushing	AEC1402
NSP	28	Cushion	AEB7076
	29	PCB Support	AEC1581
	30	PCB Support	AEC7006
	31	PCB Support	AEC7056
	32	Sheet	AEE1028
	33	Sheet	AEE7010
	34	PCB Mold	AMR2533
	35	Cord Stopper	CM-22C
NSP	36	Clamper	RNE1277
	37	Washer	VEC1254
	38	Round Knob L	AAB7082
	39	Round Knob S	AAB7106
	40	Jog Knob	AAB7048
	41	Trans Flame	ANG7140
	42	Name Plate	PAM1608
NSP	43	Cord with Plug (J105)	DE012CD0
NSP	44	Cushion	AEB7081
	45	Screw	ABA1037
	46	PCB Stopper	ANG7136
	47	ISO Plate	ANG7141
	48	Screw	ABA7019
	49	.....	
	50	Screw	BBZ30P080FZK
	51	Screw	BBZ30P200FMC
	52	.....	
NSP	53	Binder	ZCA-BK1
	54	Screw	ABA7008
	55	Screw	ABA-298
	56	Screw	ABA1147

(2) CONTRAST TABLE

VSX-D506S/KCXJI, VSX-456/KUXJI, KCXJI and VSX-D506S/KUXJI have the same construction except for the following :

Mark	No.	Srmbol & Description	Part No.				Remarks
			VSX-D506S		VSX-456		
			KUXJI	KCXJI	KUXJI	KCXJI	
	8	VIDEO/SR ASSY	AWZ8509	AWZ8509	AWZ8601	AWZ8601	
	12	PRO LOGIC ASSY	AWZ8611	AWZ8611	AWZ8510	AWZ8510	
⚠	15	Power Transformer (AC 120V)	ATS7164	ATS7165	ATS7164	ATS7165	
	23	Rear Panel	ANC7479	ANC7526	ANC7478	ANC7528	

2.3 FRONT PANEL SECTION



• PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	Power Switch ASSY	See Contrast table (2)
NSP	2	Front Input ASSY	See Contrast table (2)
	3	FL U-COM ASSY	See Contrast table (2)
NSP	4	Housing 5P Shield	See Contrast table (2)
	5	Power Button	AAD7325
	6	Tuner Button	AAD7326
	7	Input Button	See Contrast table (2)
	8	Func. Button	AAD7328
	9	SFC Button	AAD7329
	10	FL Panel	AAK7293
	11	FL Filter	AAK7294
	12	Sub Panel	See Contrast table (2)
	13	Front Panel	See Contrast table (2)
	14	Screw	See Contrast table (2)
	15	Screw	BPZ30P080FMC
	16	Screw	BBZ30P080FZK

(2) CONTRAST TABLE

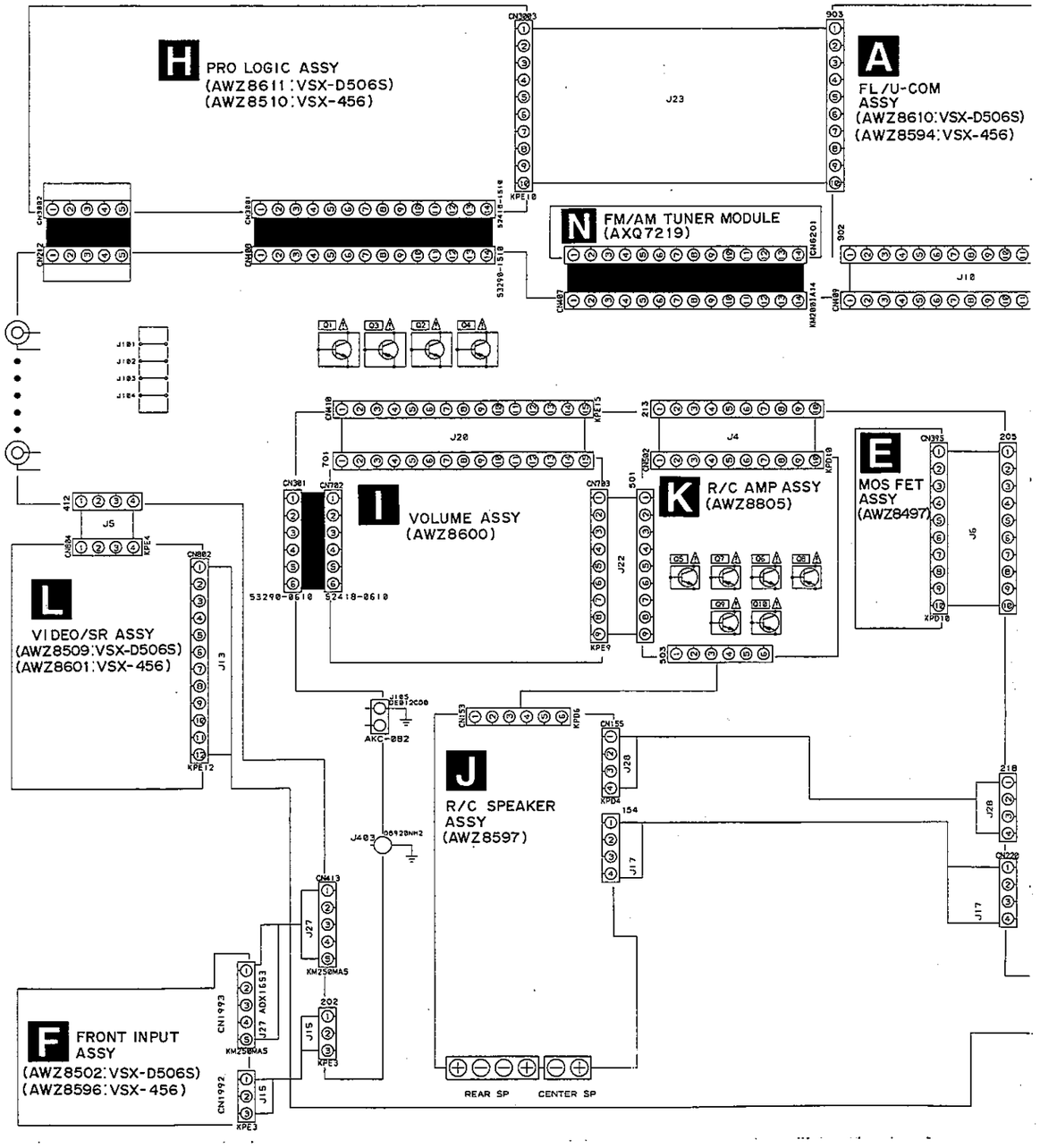
VSX-D506S/KCXJI, VSX-456/KUXJI, KCXJI and VSX-D506S/KUXJI have the same construction except for the following :

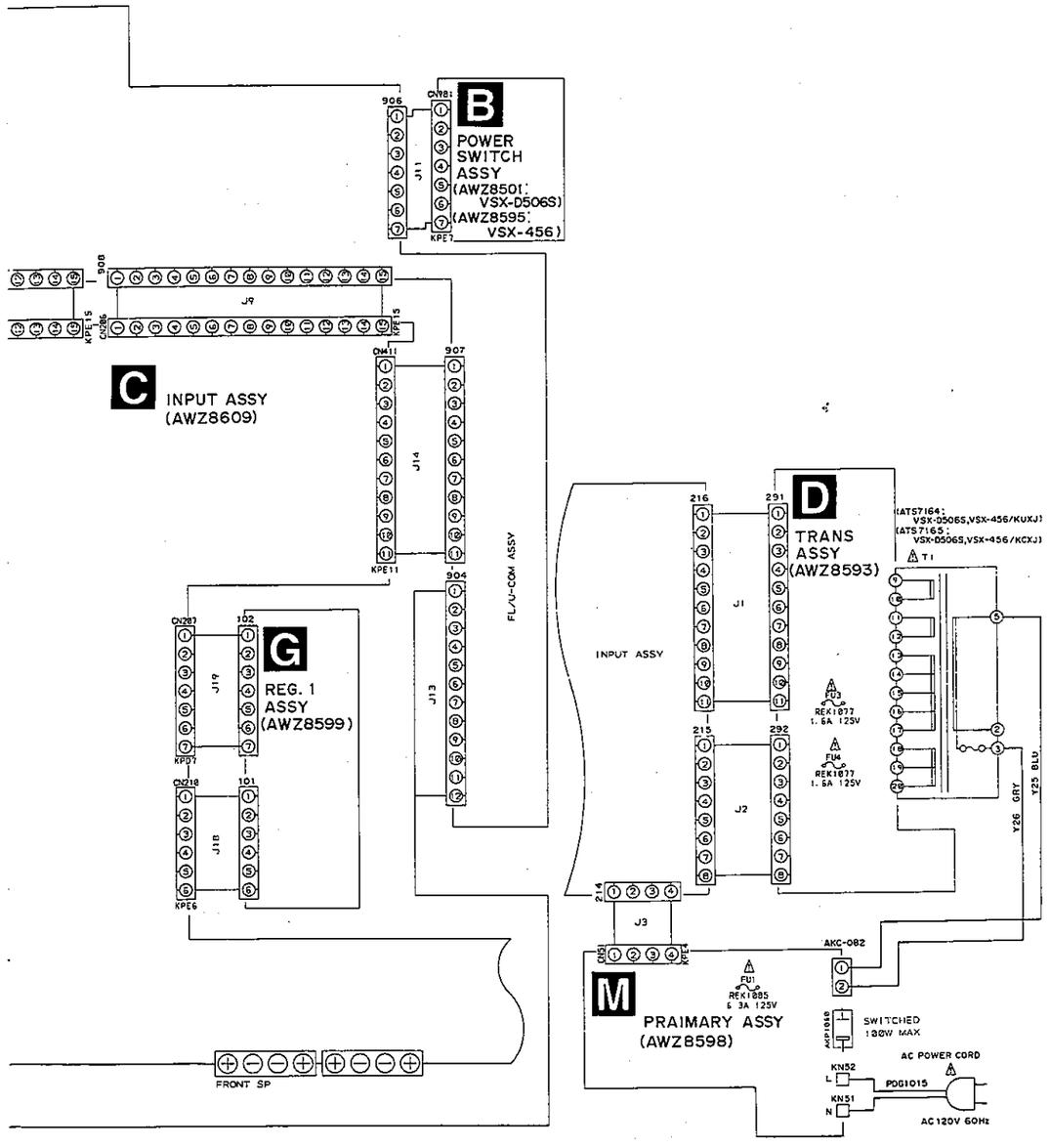
Mark	No.	Srmbol & Description	Part No.				Remarks
			VSX-D506S		VSX-456		
			KUXJI	KCXJI	KUXJI	KCXJI	
NSP	1	POWER SWITCH ASSY	AWZ8501	AWZ8501	AWZ8595	AWZ8595	
NSP	2	FRONT INPUT ASSY	AWZ8502	AWZ8502	AWZ8596	AWZ8596	
	3	FL/U-COM ASSY	AWZ8610	AWZ8610	AWZ8594	AWZ8594	
NSP	4	Housing 5P Shield	ADX1653	ADX1653	Not used	Not used	
	7	Input Button	AAD7327	AAD7327	Not used	Not used	
	12	Sub Panel	AAP7024	AAP7024	AAP7023	AAP7023	
	13	Front Panel	AMB7390	AMB7390	AMB7389	AMB7389	
	14	Screw	ABA7009	ABA7009	Not used	Not used	

3. SCHEMATIC DIAGRAM

3.1 OVERALL CONNECTION DIAGRAM

NOTE: When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".

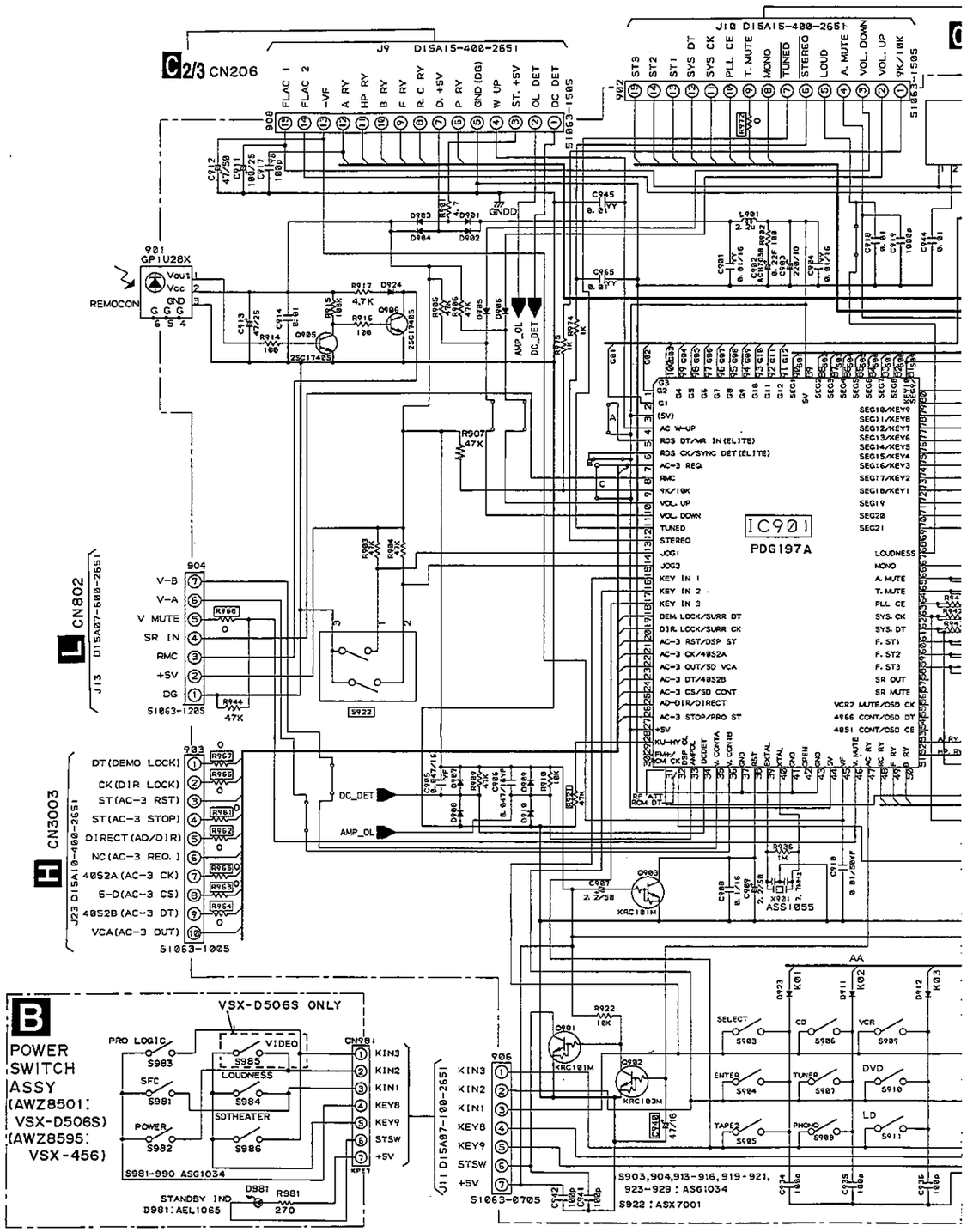




3.2 FL/U-COM ASSY AND POWER SWITCH ASSY

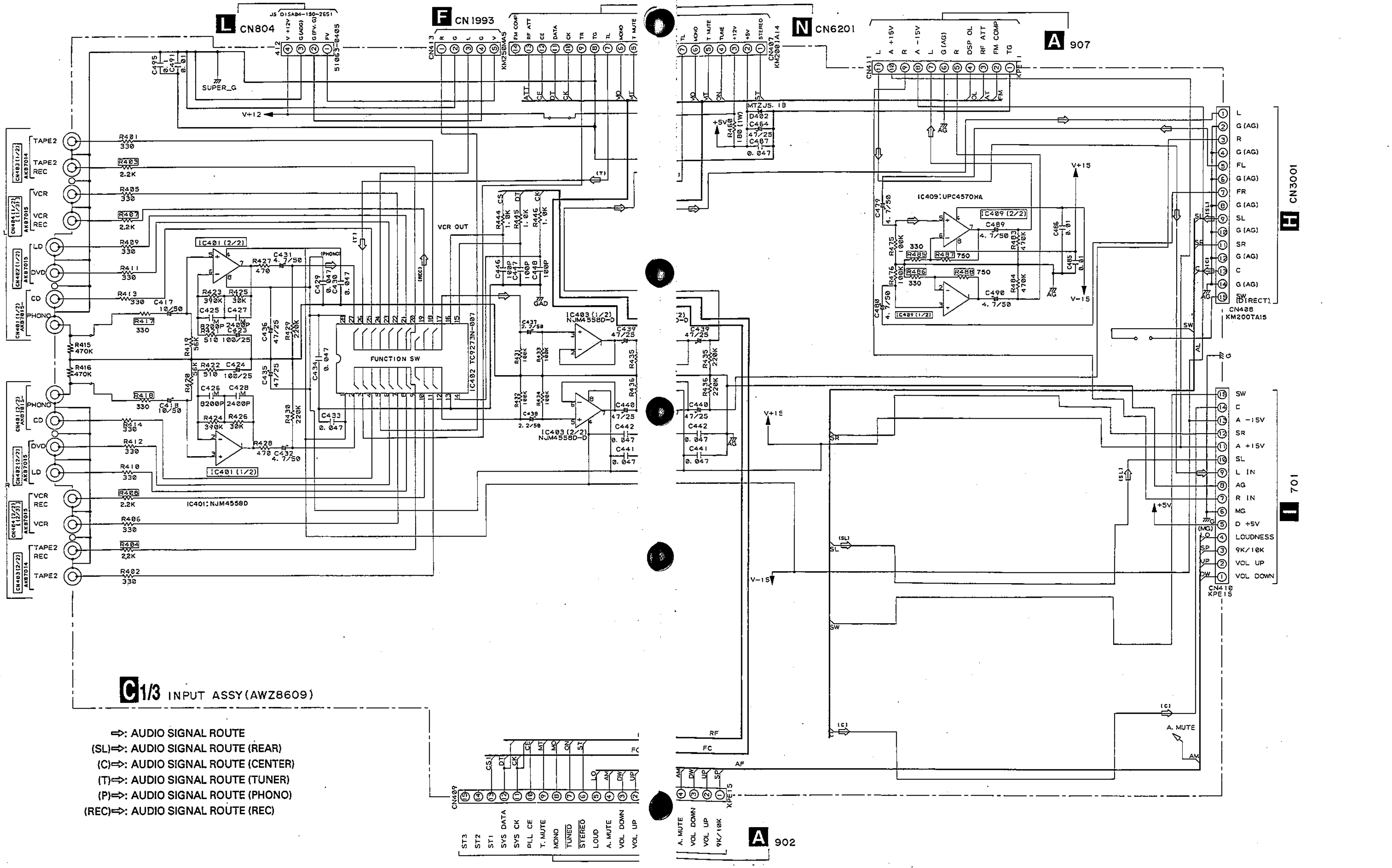
VSX-D506S, VSX-456

⇨: AUDIO SIGNAL ROUTE



VSX-D506S, VSX-456

3.3 INPUT ASSY (1/3)


CN804
CN1993
CN6201
907
CN3001
701
902
FUNCTION SW
IC402 TC9273N-007
IC401 (2/2)
IC401 (1/2)
IC401: NJM4558D
IC403 (1/2) NJM4558D-D
IC403 (2/2) NJM4558D-D
IC409: UPC4570HA
IC409 (2/2)
IC409 (1/2)
VCR OUT
SUPER_G
TAPE2
TAPE2 REC
VCR
VCR REC
LD
DVD
CD
PHONO
CN408 KM200TA15
CN410 KPE15
CN409
A. MUTE
LOUDNESS
9K/10K
VOL UP
VOL DOWN
ST3
ST2
ST1
SYS DATA
SYS CK
PLL CE
T. MUTE
MONO
TUNED
STEREO
LOUD
A. MUTE
VOL DOWN
VOL UP

C 1/3 INPUT ASSY (AWZ8609)

⇨: AUDIO SIGNAL ROUTE
(SL)⇨: AUDIO SIGNAL ROUTE (REAR)
(C)⇨: AUDIO SIGNAL ROUTE (CENTER)
(T)⇨: AUDIO SIGNAL ROUTE (TUNER)
(P)⇨: AUDIO SIGNAL ROUTE (PHONO)
(REC)⇨: AUDIO SIGNAL ROUTE (REC)

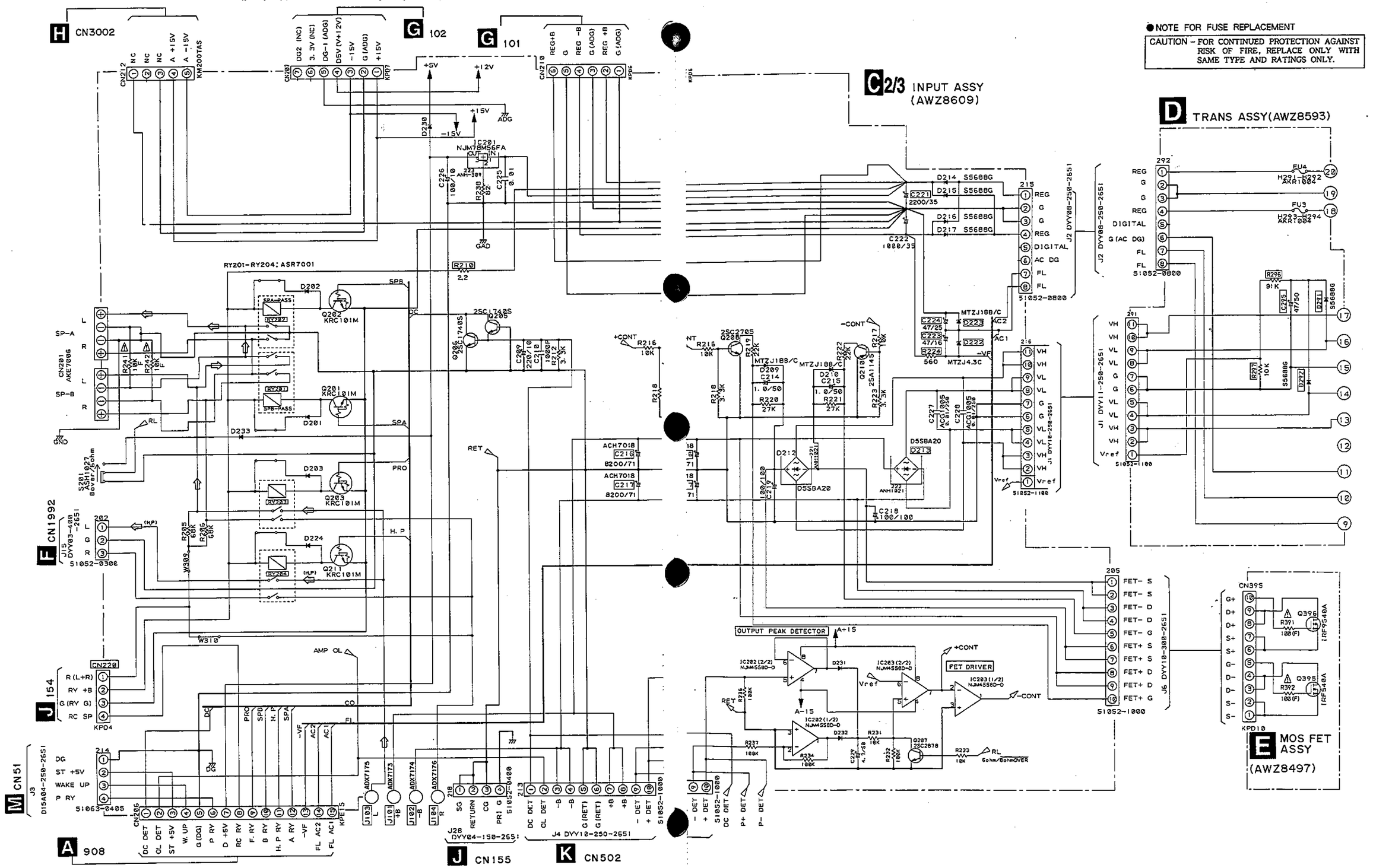
3.4 INPUT ASSY (2/3), TRANS ASSY AND MOS FET ASSY

VSX-D506S, VSX-456

⇨: AUDIO SIGNAL ROUTE
(H.P)⇨: AUDIO SIGNAL ROUTE (HEADPHONE)

● NOTE FOR FUSE REPLACEMENT

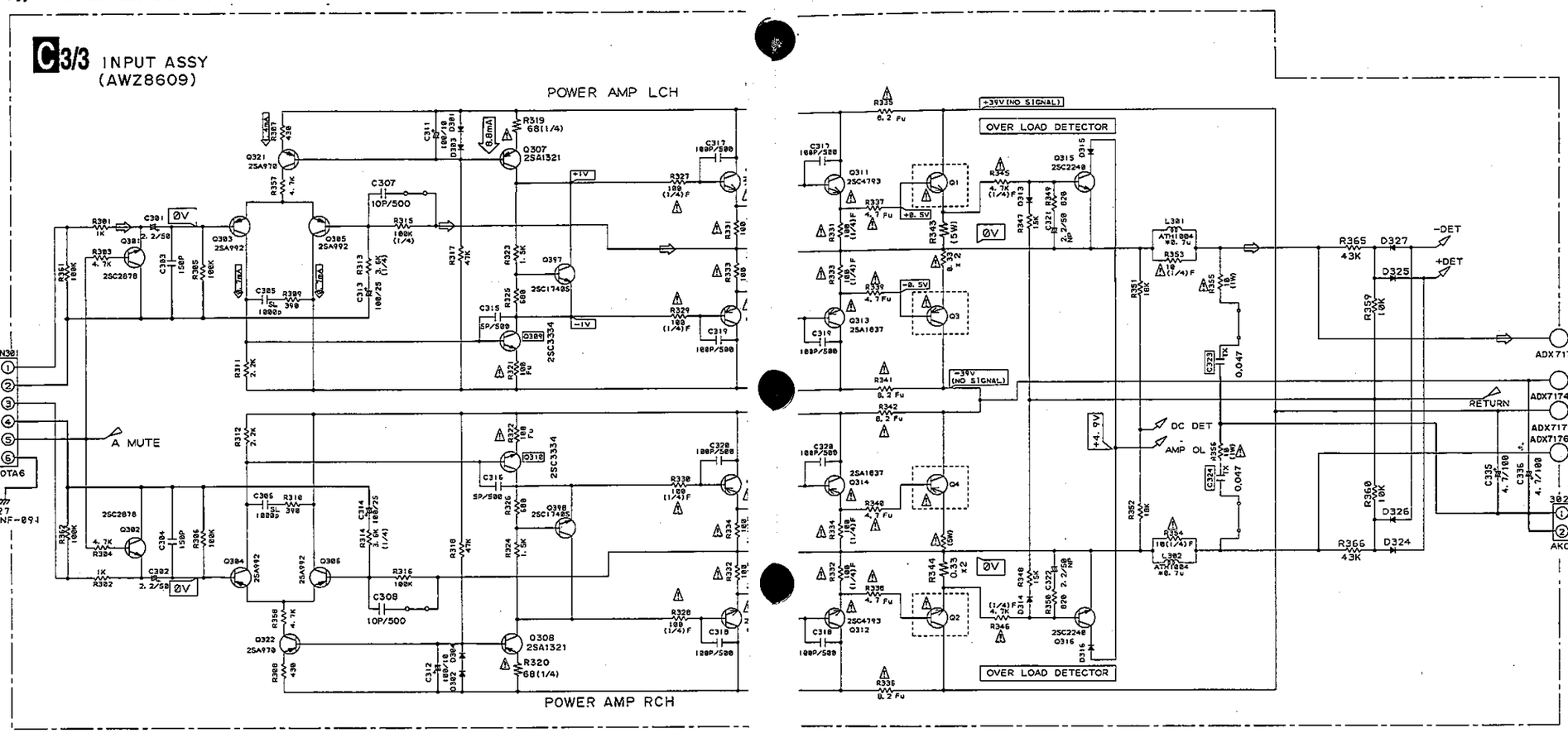
CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.



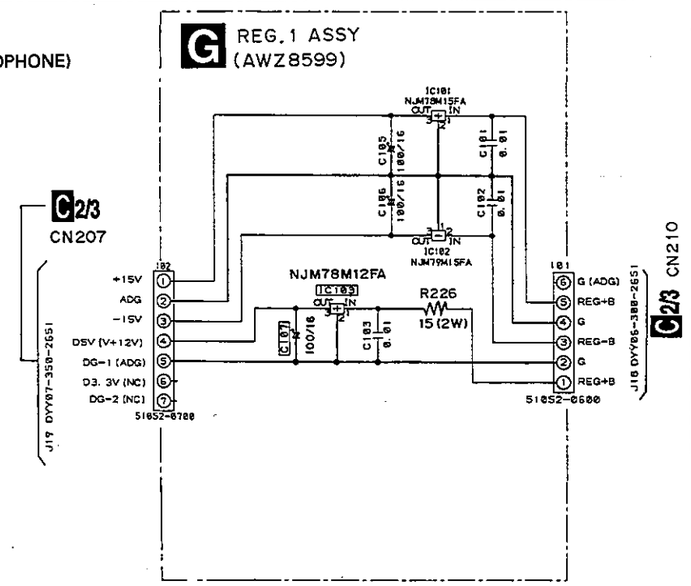
INPUT ASSY
S201 : IMPEDANCE SELECTOR

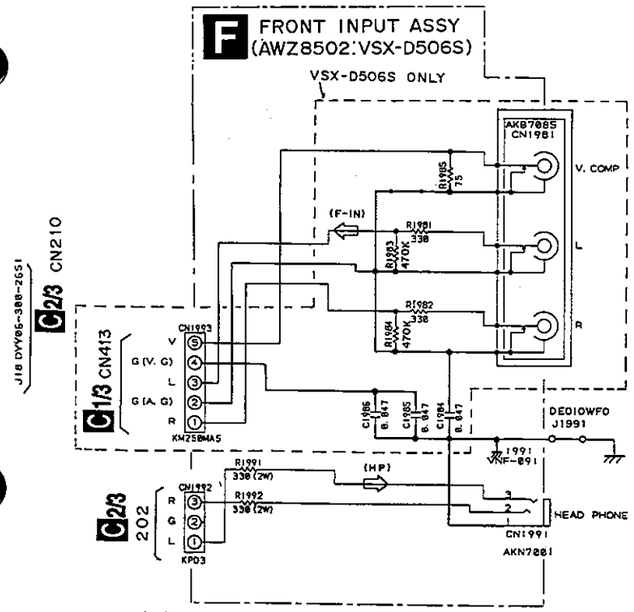
VSX-D506S, VSX-456

3.5 INPUT ASSY (3/3), FRONT INPUT ASSY AND REG.1 ASSY



⇨: AUDIO SIGNAL ROUTE
(H.P)⇨: AUDIO SIGNAL ROUTE (HEADPHONE)
(F.IN)⇨: AUDIO SIGNAL ROUTE (F.IN)



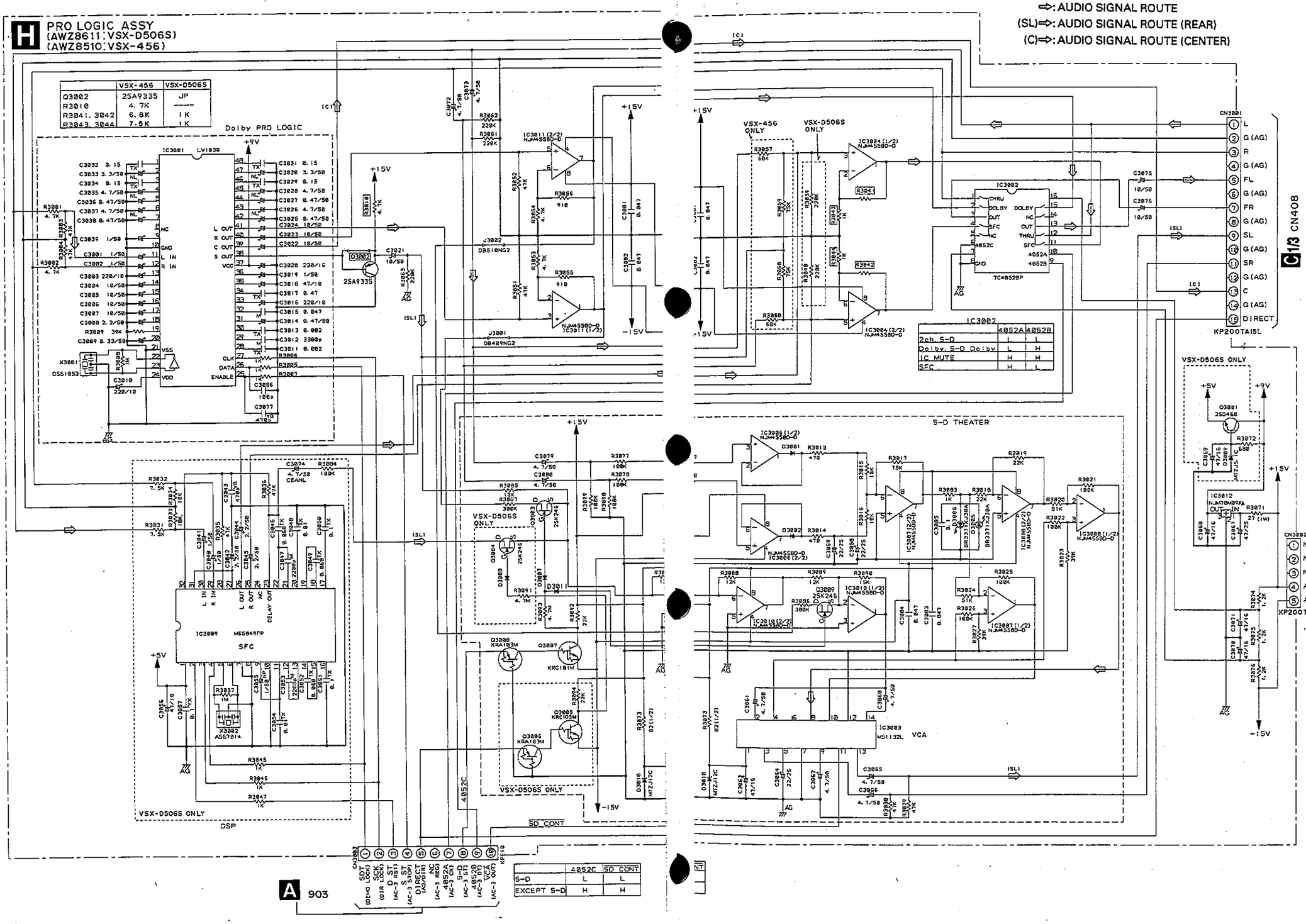


Noted
1. Resistors
   Indicated in ohm 1/4W
   tolerance ±5%
   unless otherwise noted
   K:Kohm , M:Mohm
   F : Non flammable type
   Fu: Non flammable quick open type
   FL: Non flammable type(RD1/4LMF***J type)

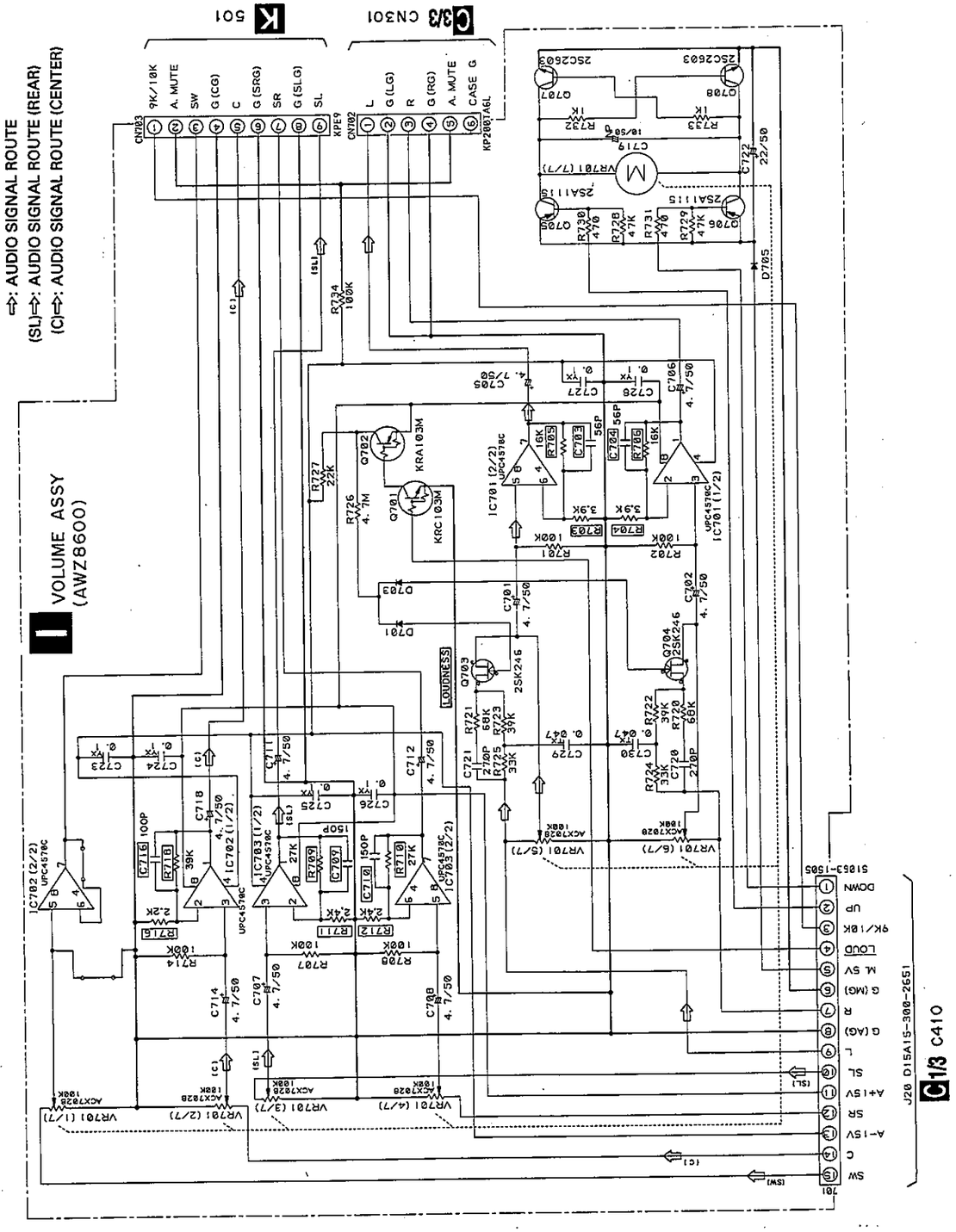
2. Capacitors
   Indicated in capacity(uF)/voltage(V)
   unless otherwise noted
   P=pF
   Indication without voltae is 50V except
   electroiytic capacitor
   NL=CEANL TX=CFTXA

3. Diodes
   Other diodes(not noted) are 1SS252

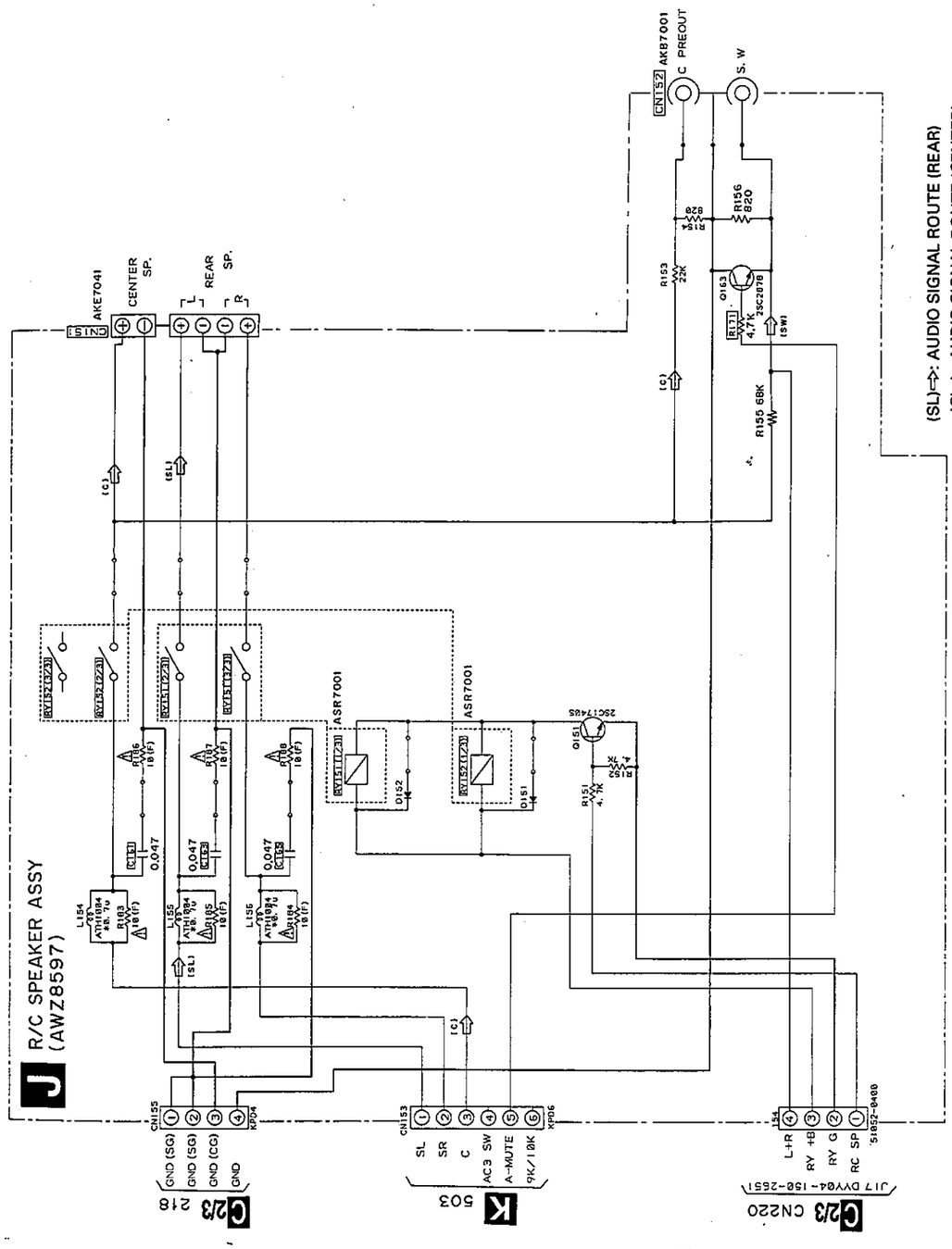
3.6 PRO LOGIC ASSY



3.7 VOLUME ASSY

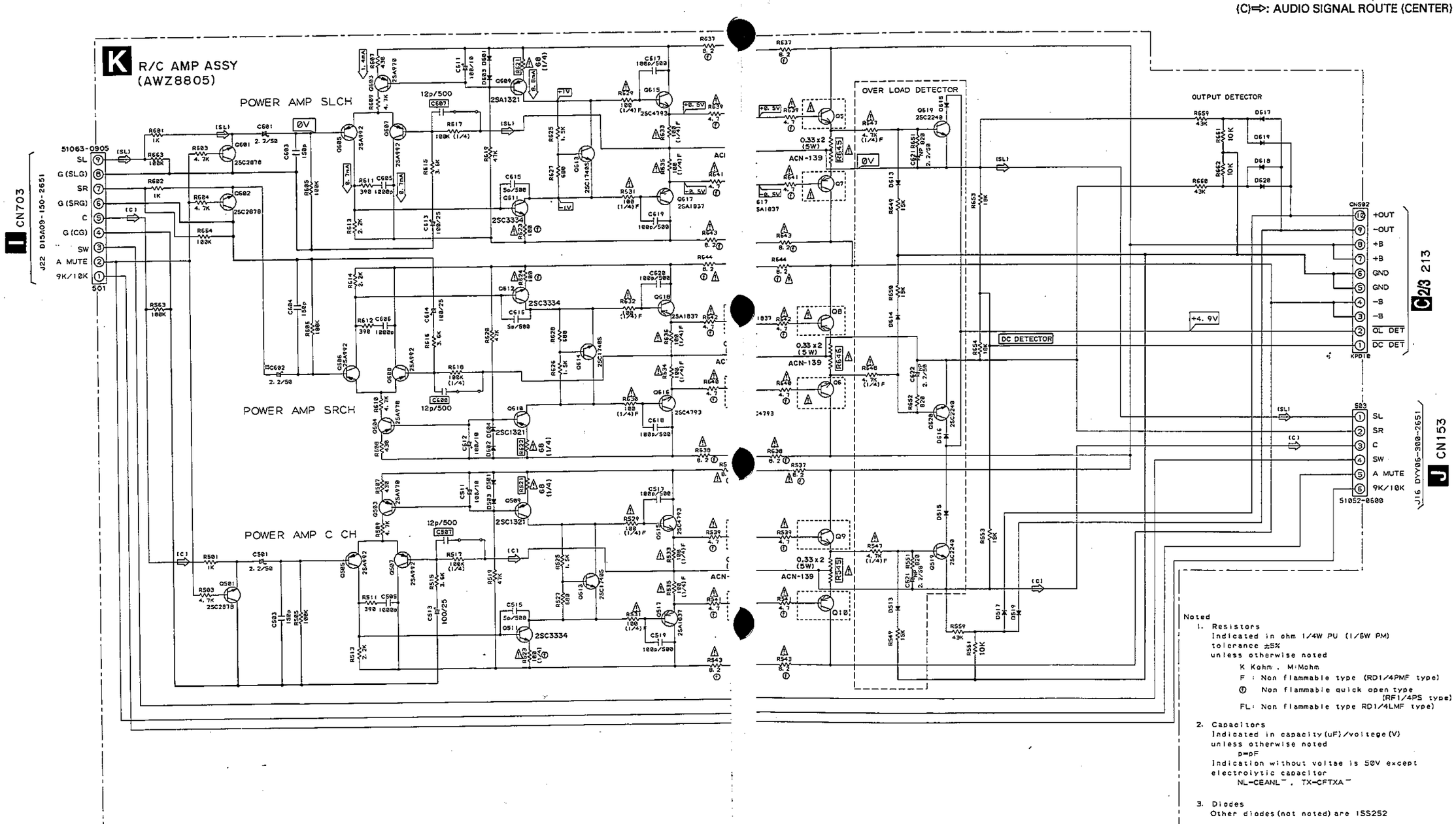


3.8 R/C SPEAKER ASSY



3.9 R/C AMP ASSY

⇨: AUDIO SIGNAL ROUTE
(SL)⇨: AUDIO SIGNAL ROUTE (REAR)
(C)⇨: AUDIO SIGNAL ROUTE (CENTER)



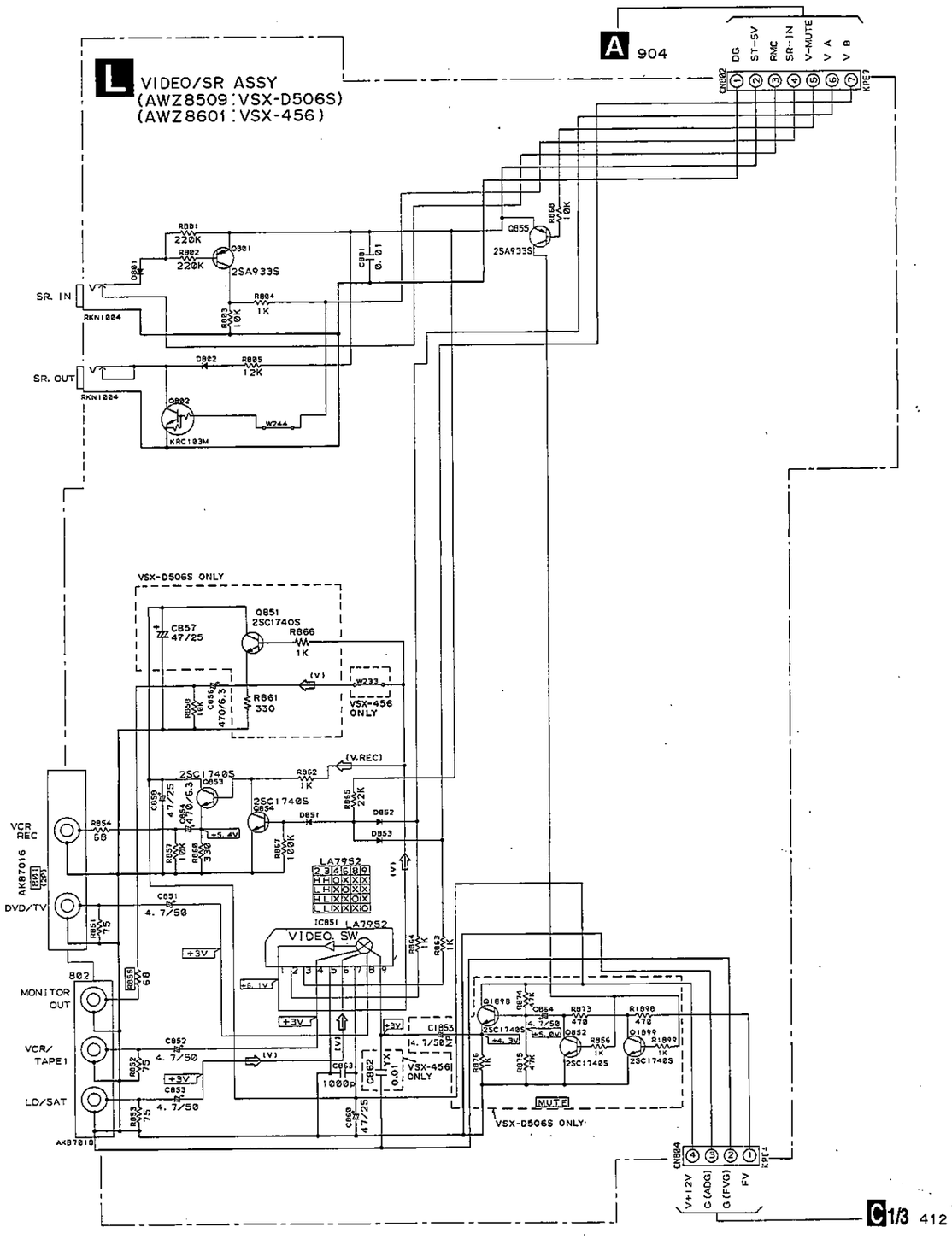
Noted

1. Resistors
   Indicated in ohm 1/4W PU (1/5W PM)
   tolerance ±5%
   unless otherwise noted
   K Kohm , M:Mohm
   F : Non flammable type (RD1/4PMF type)
   ⑦ Non flammable quick open type (RF1/4PS type)
   FL: Non flammable type RD1/4LMF type)

2. Capacitors
   Indicated in capacity(uF)/voltage(V)
   unless otherwise noted
   p=pF
   Indication without voltae is 50V except electroiytic capacitor
   NL-CEANL⁻, TX-CFTXA⁻

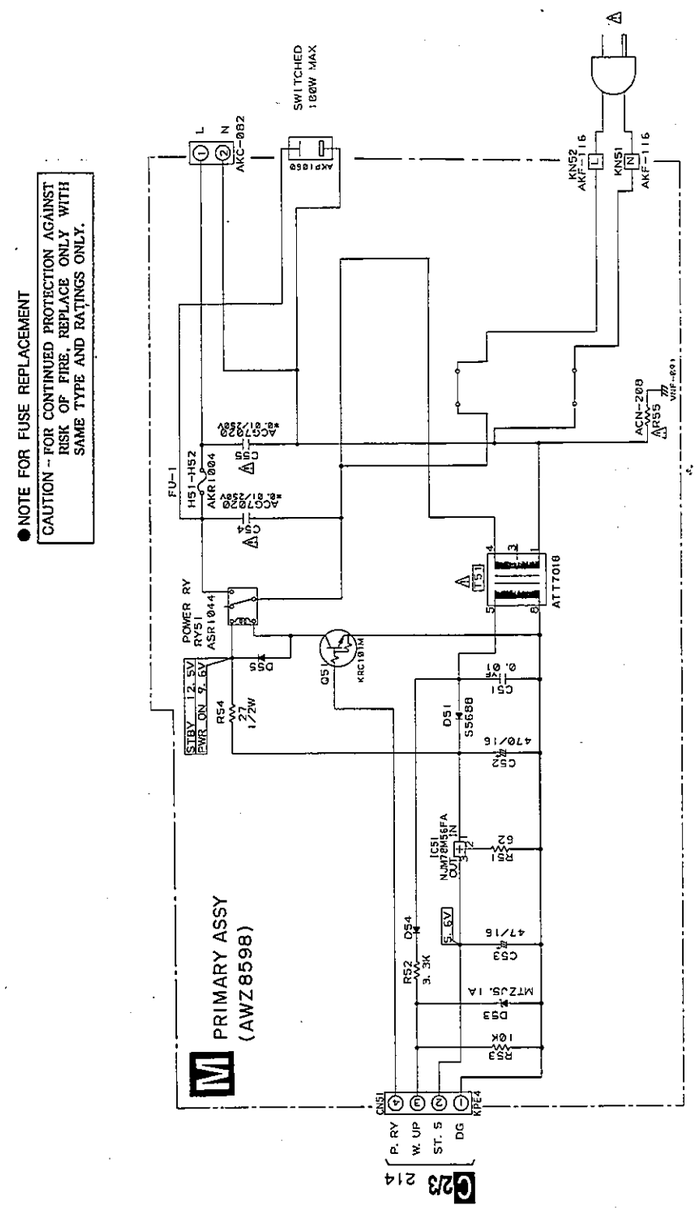
3. Diodes
   Other diodes(not noted) are 1SS252

3.10 VIDEO SR ASSY AND PRIMARY ASSY



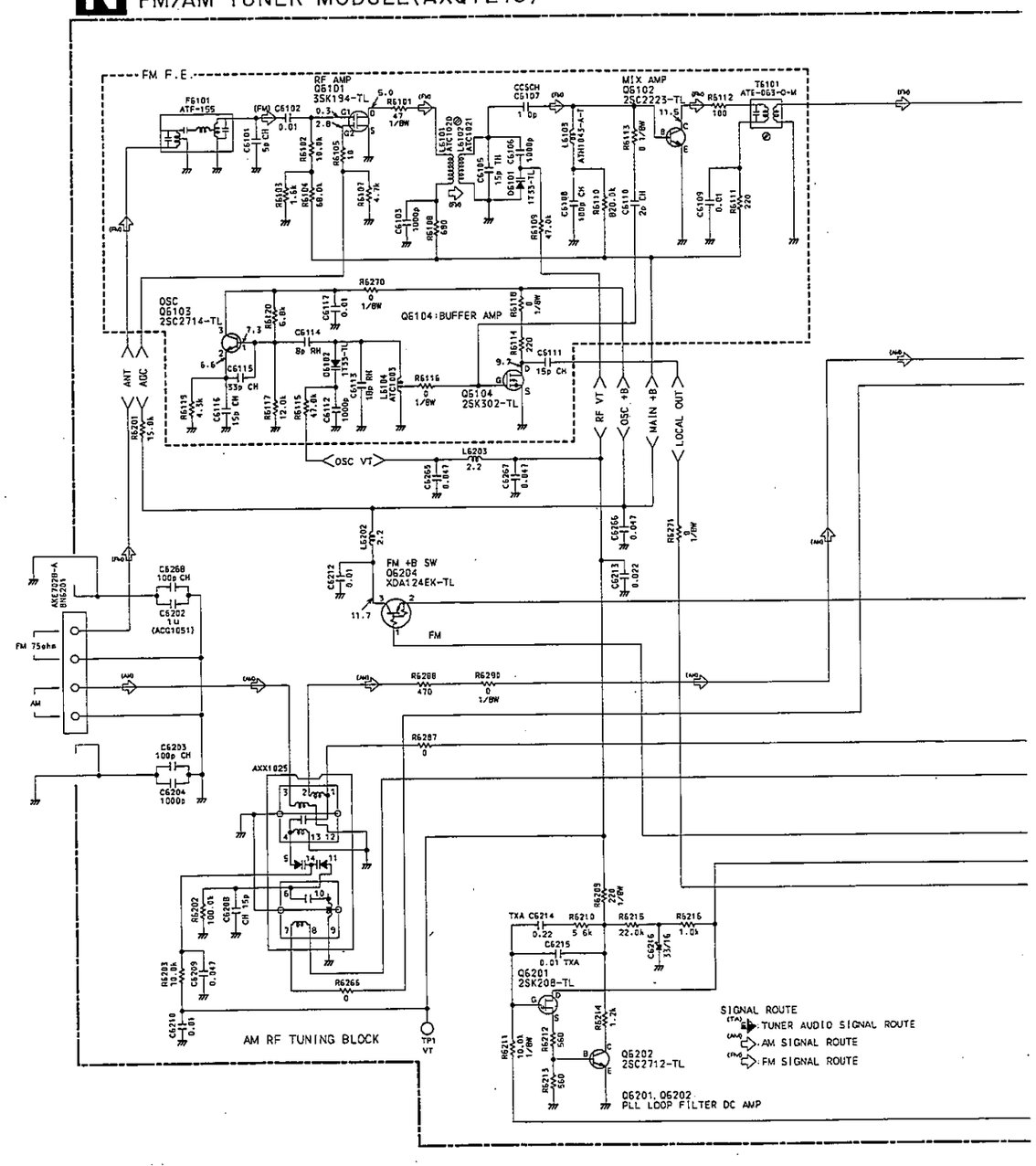
(V)⇨: VIDEO SIGNAL ROUTE
(V.REC)⇨: VIDEO REC SIGNAL ROUTE

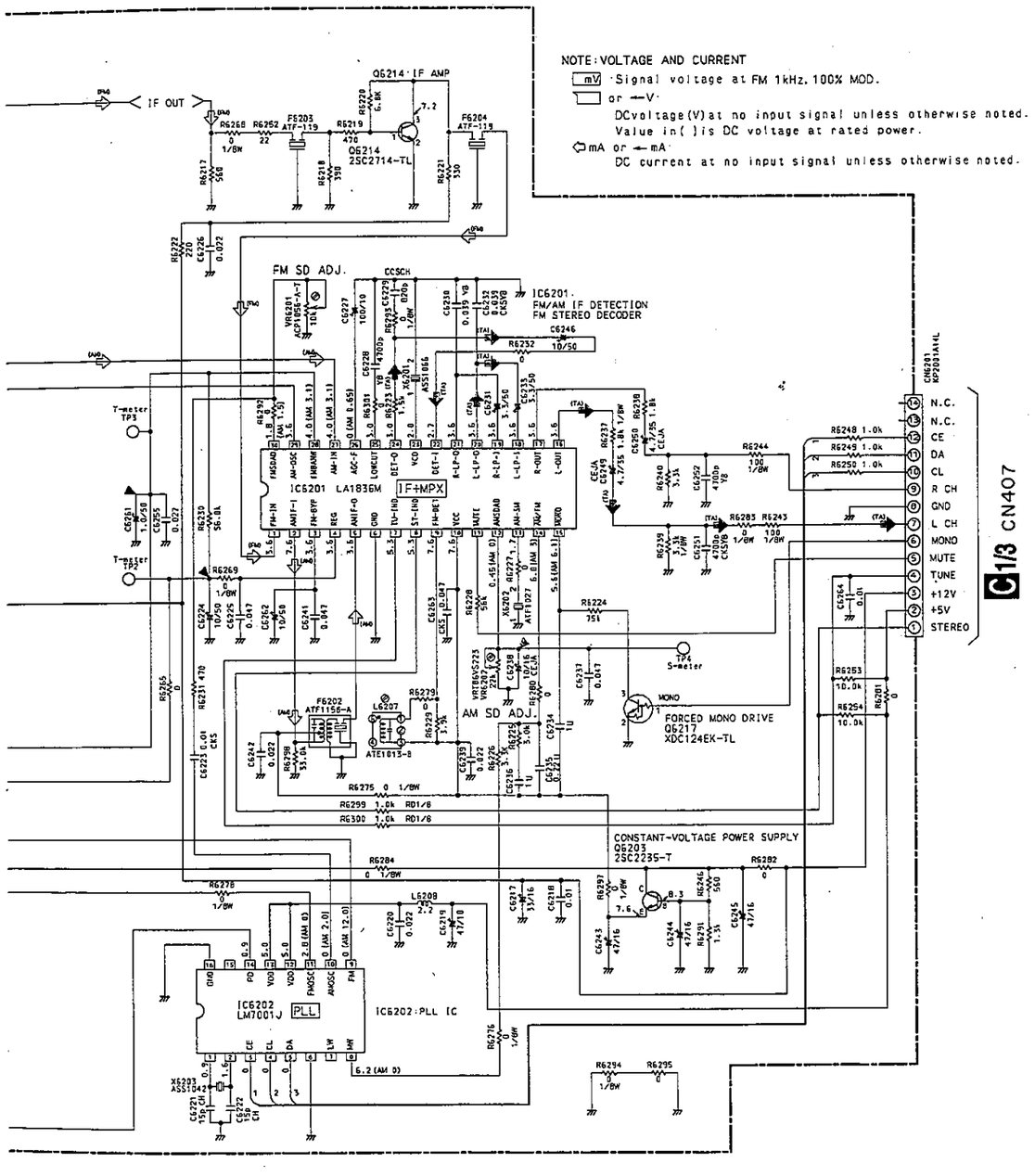
● NOTE FOR FUSE REPLACEMENT
CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.



3.11 FM/AM TUNER MODULE

N FM/AM TUNER MODULE(AXQ7219)



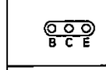
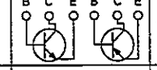
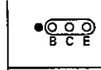
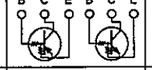
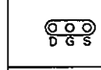
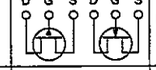
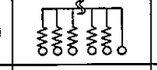
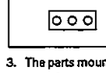
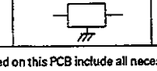


4. PCB CONNECTION DIAGRAM

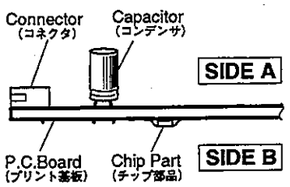
4.1 R/C SPEAKER ASSY AND MOS FET ASSY

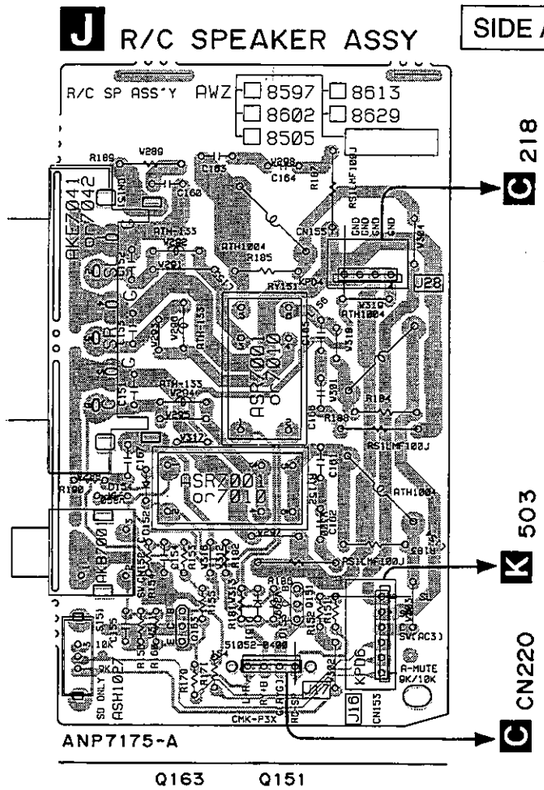
NOTE FOR PCB DIAGRAMS:

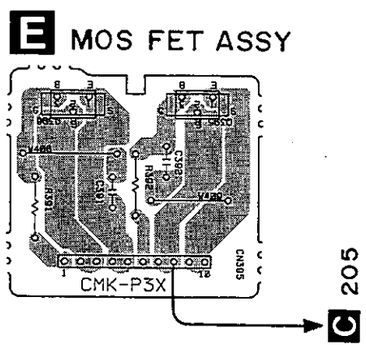
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

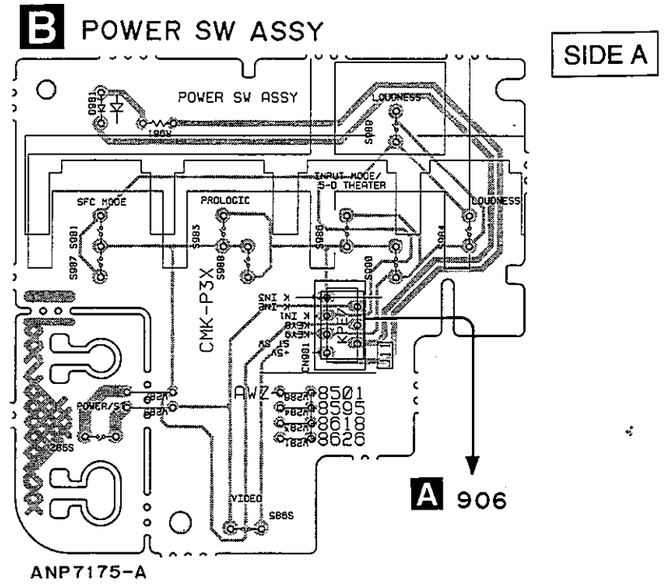
3. The parts mounted on this PCB include all necessary parts for several destinations. For further infromation for respective destinations, be sure to check with the schematic diagram.
4. Viewpoint of PCB diagrams

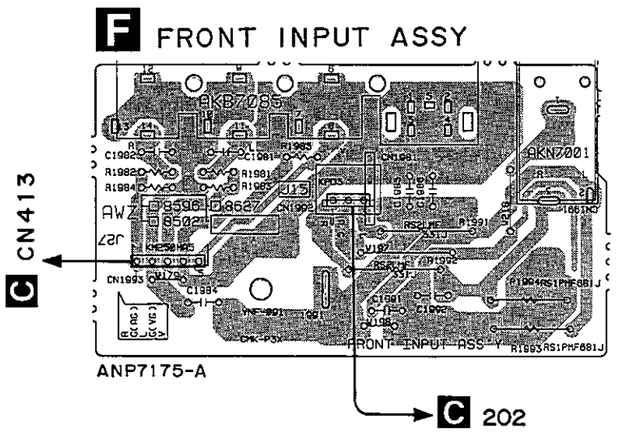




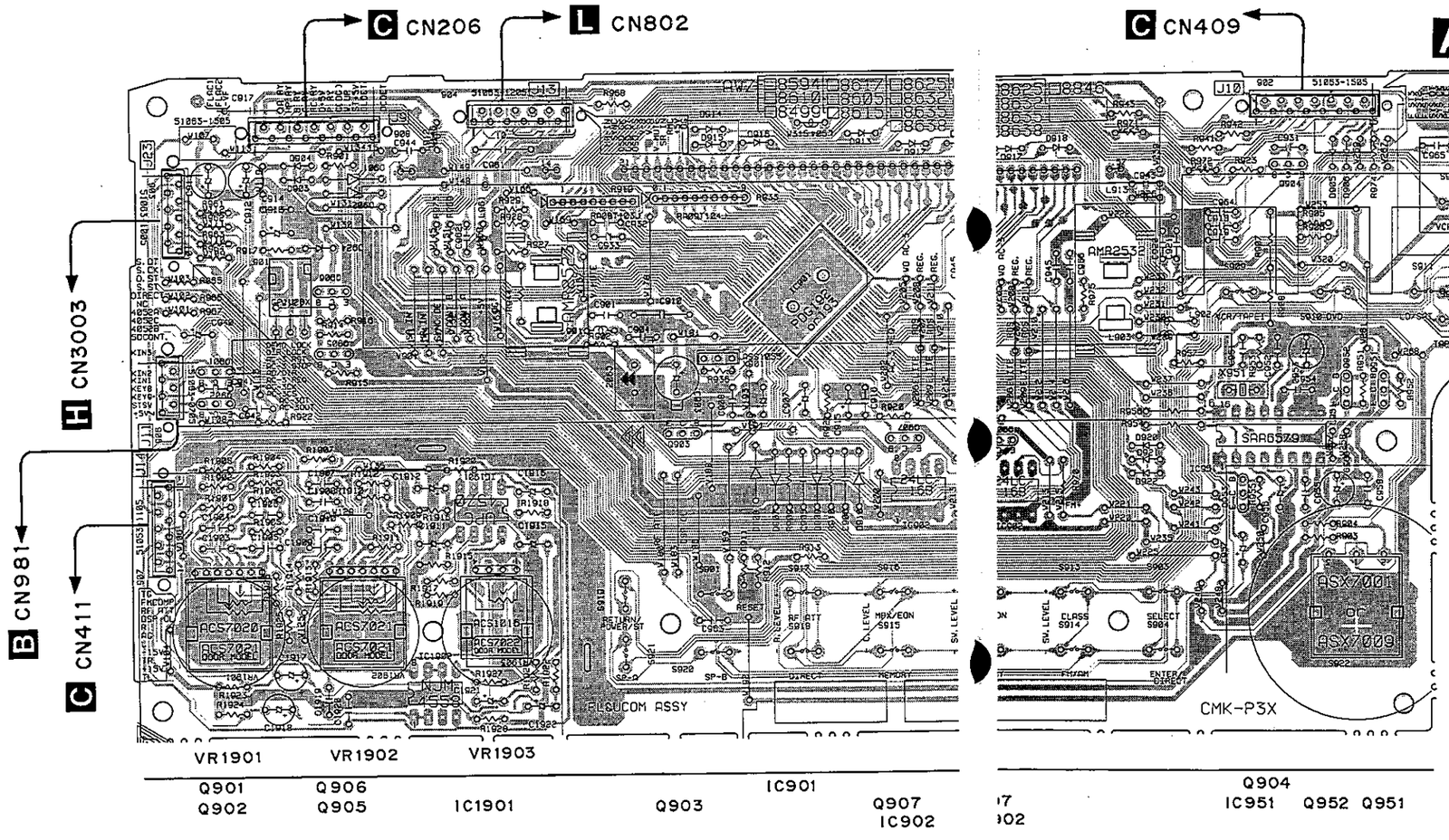


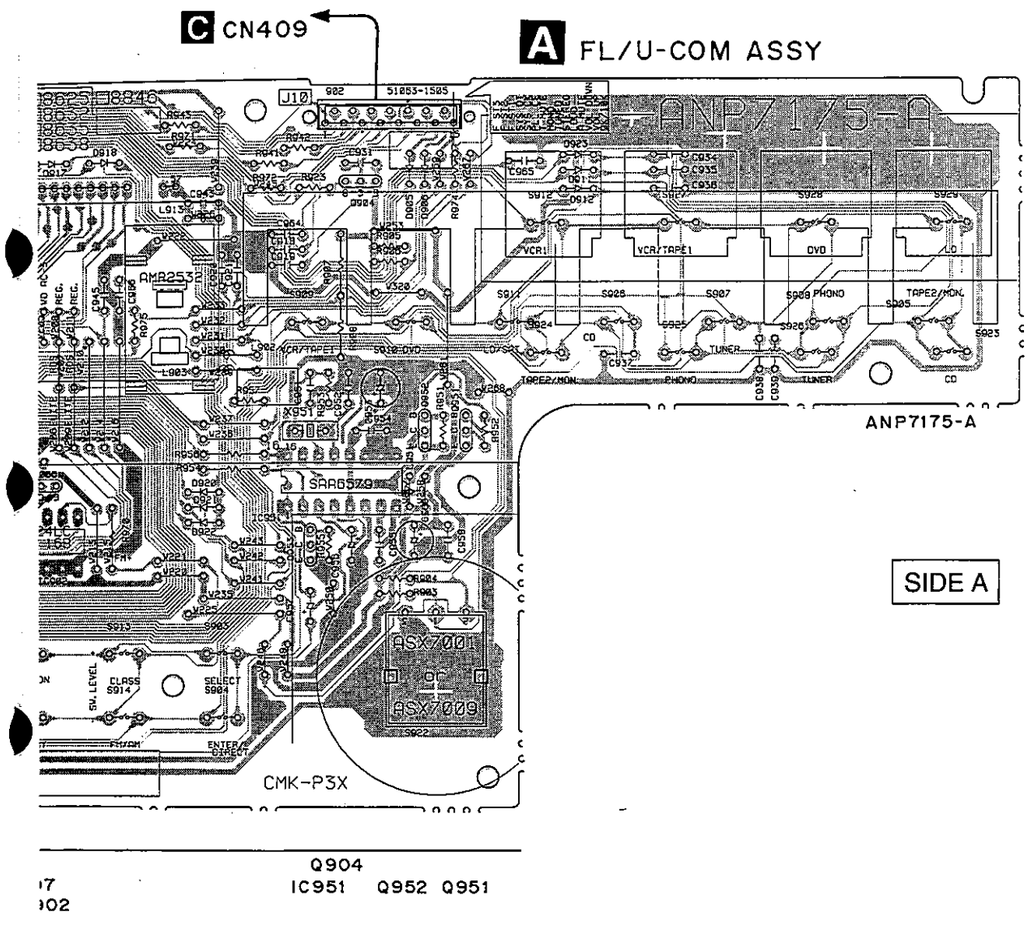
4.2 POWER SWITCH ASSY AND FRONT INPUT ASSY





4.3 FL/U-COM ASSY

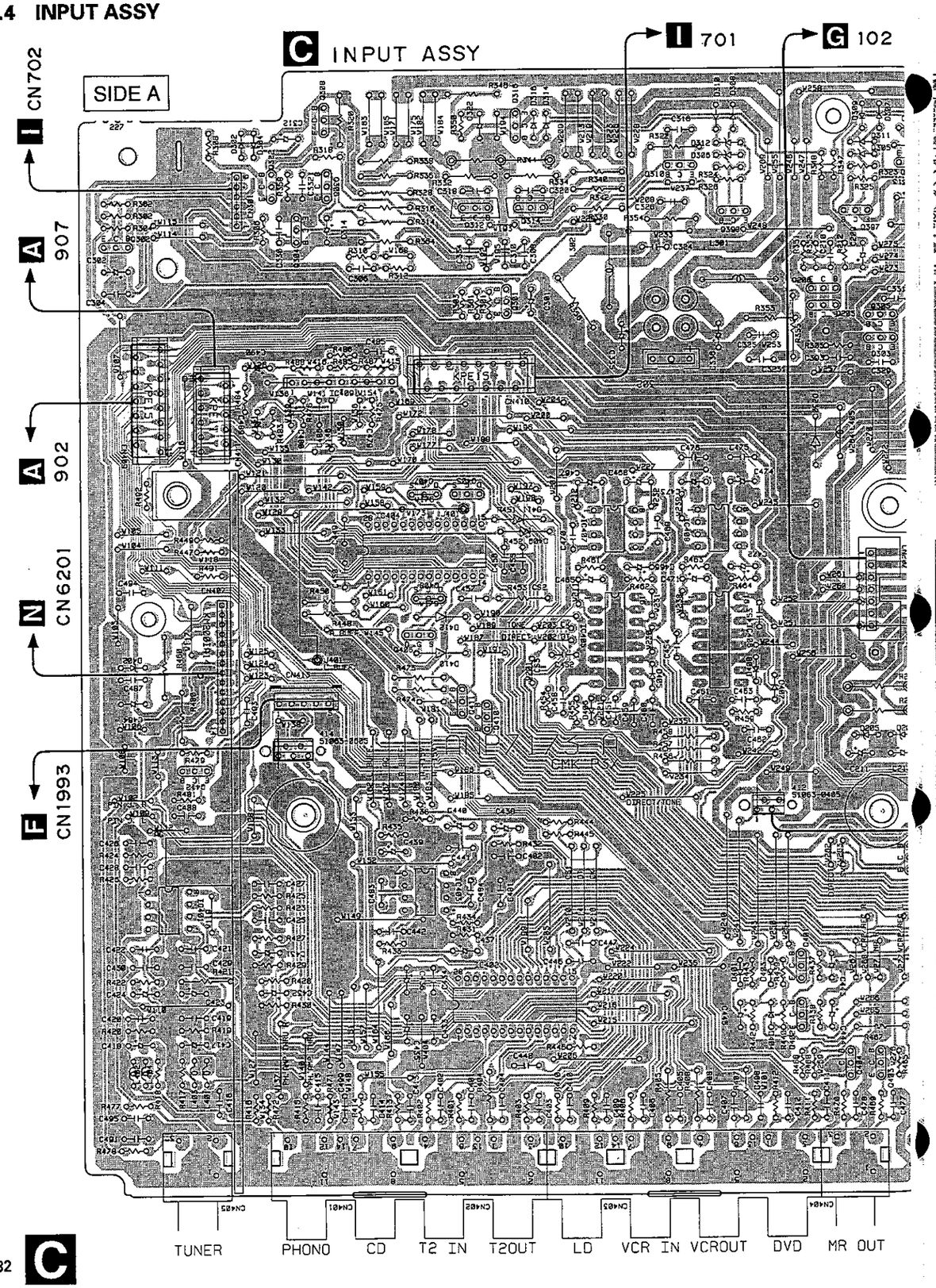




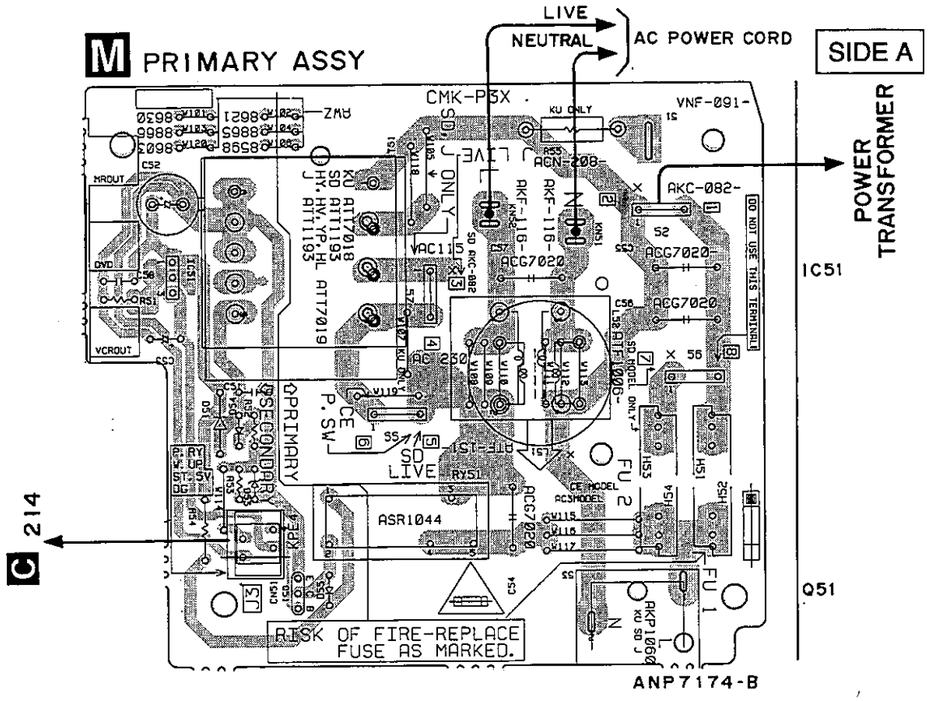
VSX-D506S, VSX-456

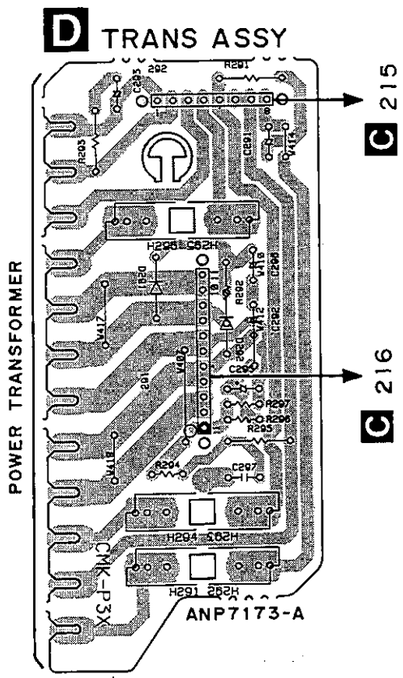
SIDE A

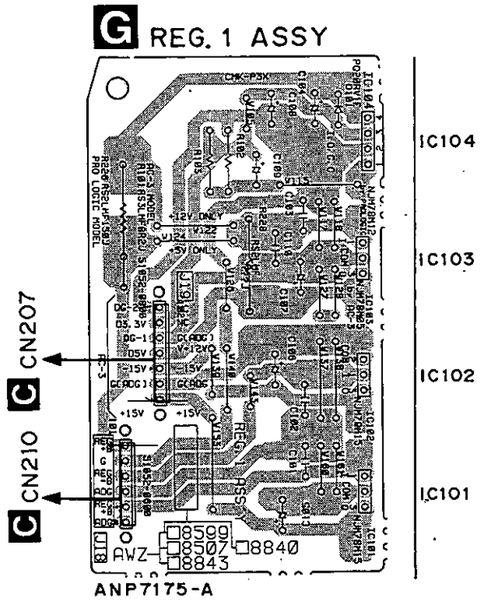
4.4 INPUT ASSY



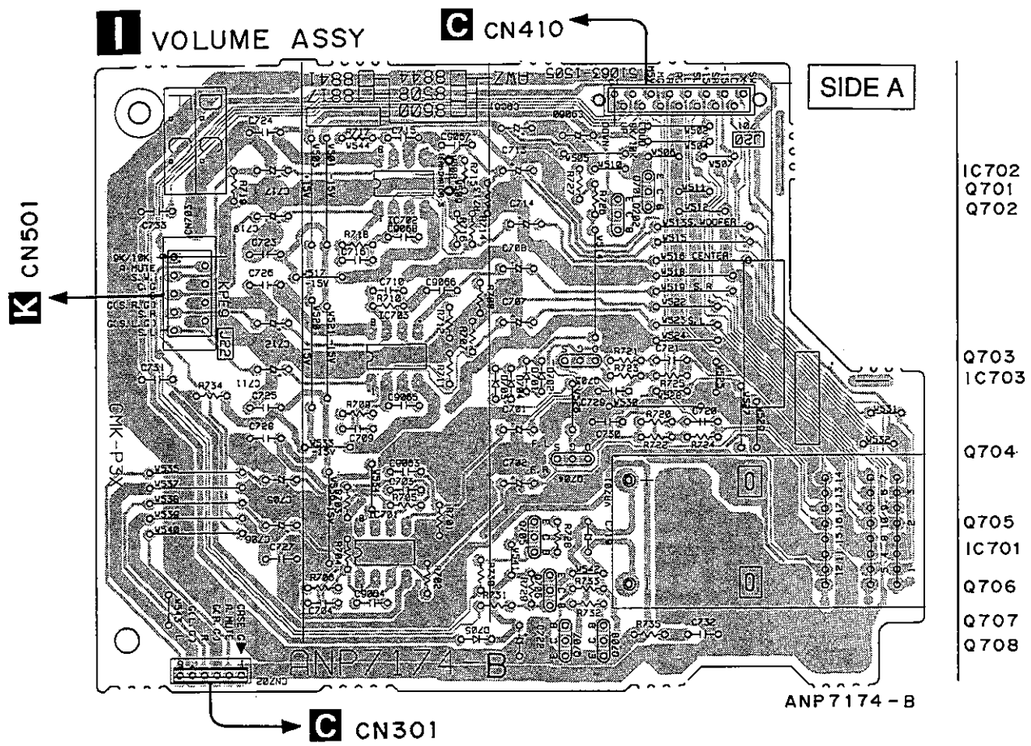
4.5 TRANS ASSY, REG.1 ASSY AND PRIMARY ASSY





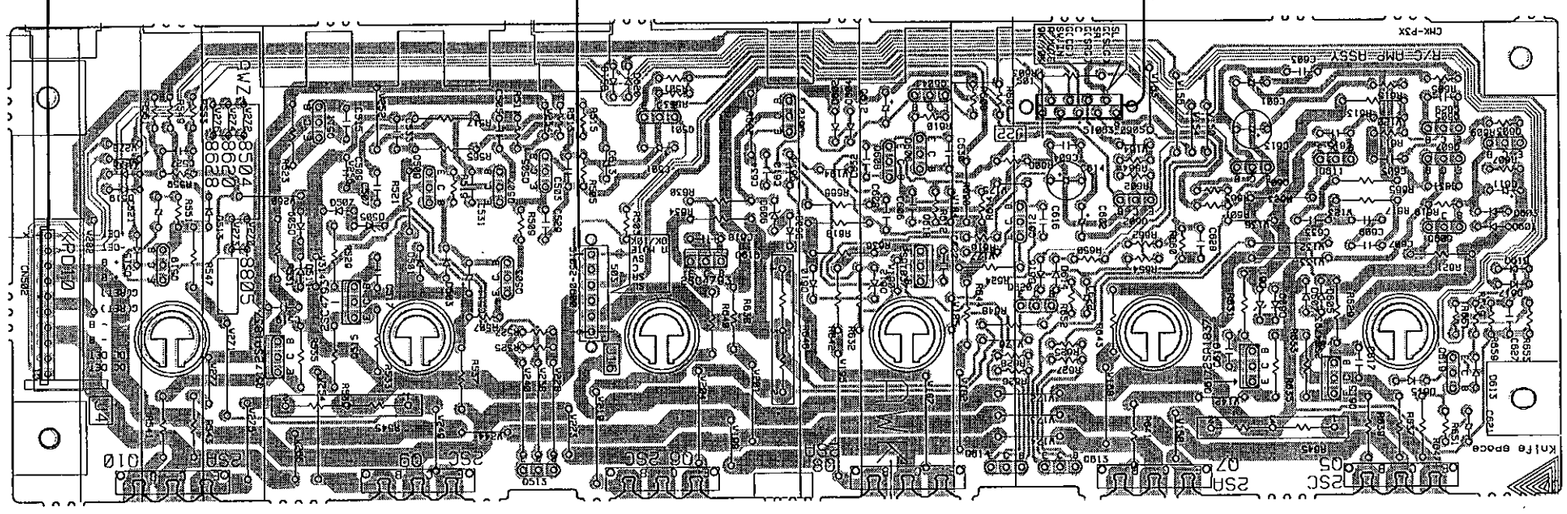


4.6 VOLUME ASSY



4.7 R/C AMP ASSY

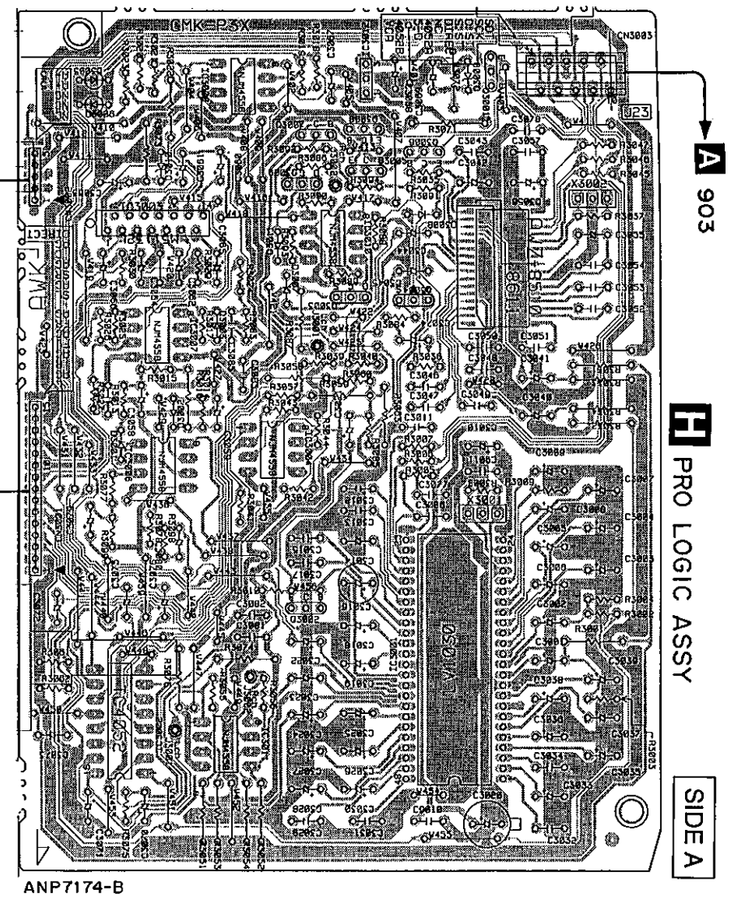
K R/C AMP ASSY



ANP7175-A

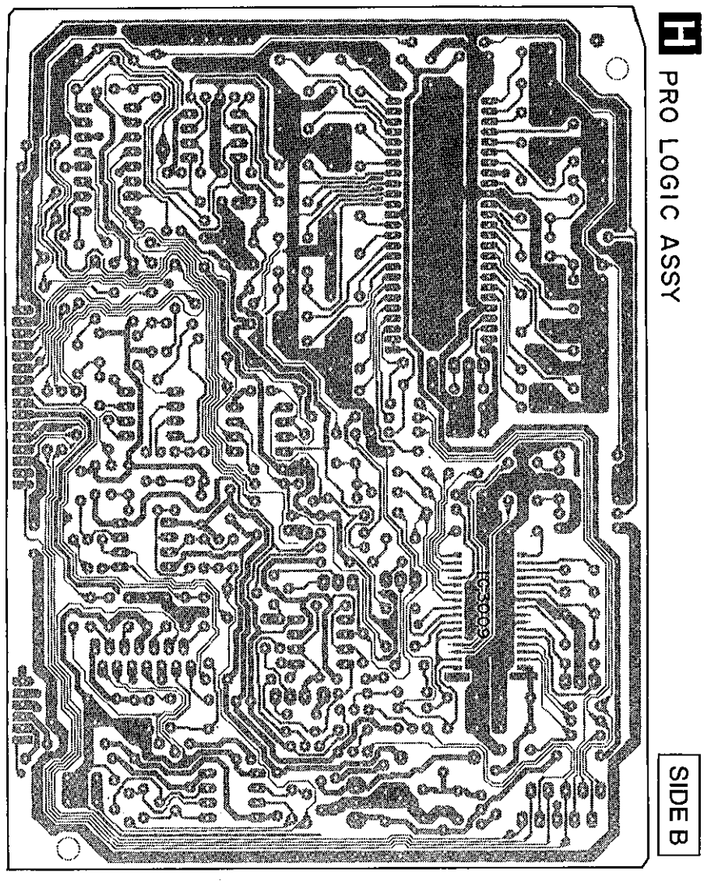
Q519 Q511 Q509 Q507 Q505 Q501 Q610 Q604 Q602 Q601 Q611 Q605 Q603
Q517 Q515 Q503 Q616 Q608 Q606 Q612 Q617 Q615 Q607
Q618 Q620 Q609 Q619
Q10 Q9 Q513 Q6 Q8 Q614 Q613 Q7 Q5

4.8 PRO LOGIC ASSY



ANP7174-B

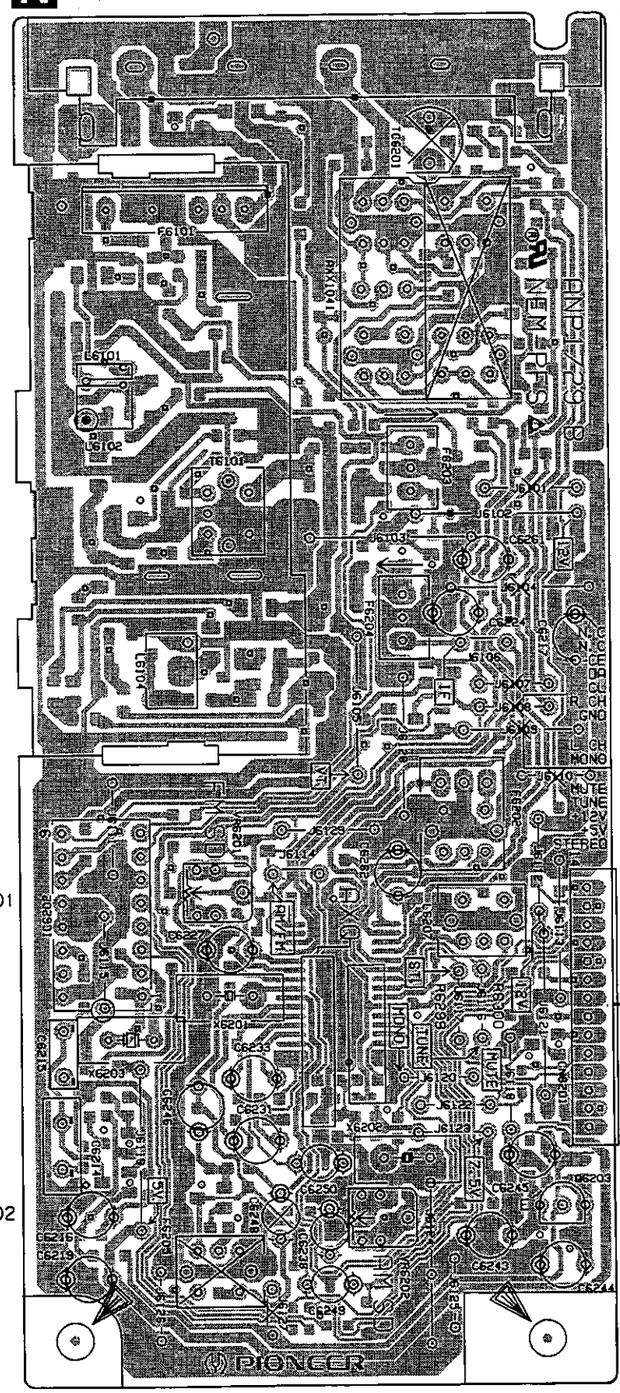
IC3008 IC3012 Q3001
Q3002 Q3008 Q3006
IC3003 Q3009 Q3005
IC3007 IC3010
IC3006 IC3004 Q3003 Q3004
IC3002 IC3011 Q3002 IC3001



ANP7174-B

4.9 FM/AM TUNER MODULE

N FM/AM TUNER MODULE



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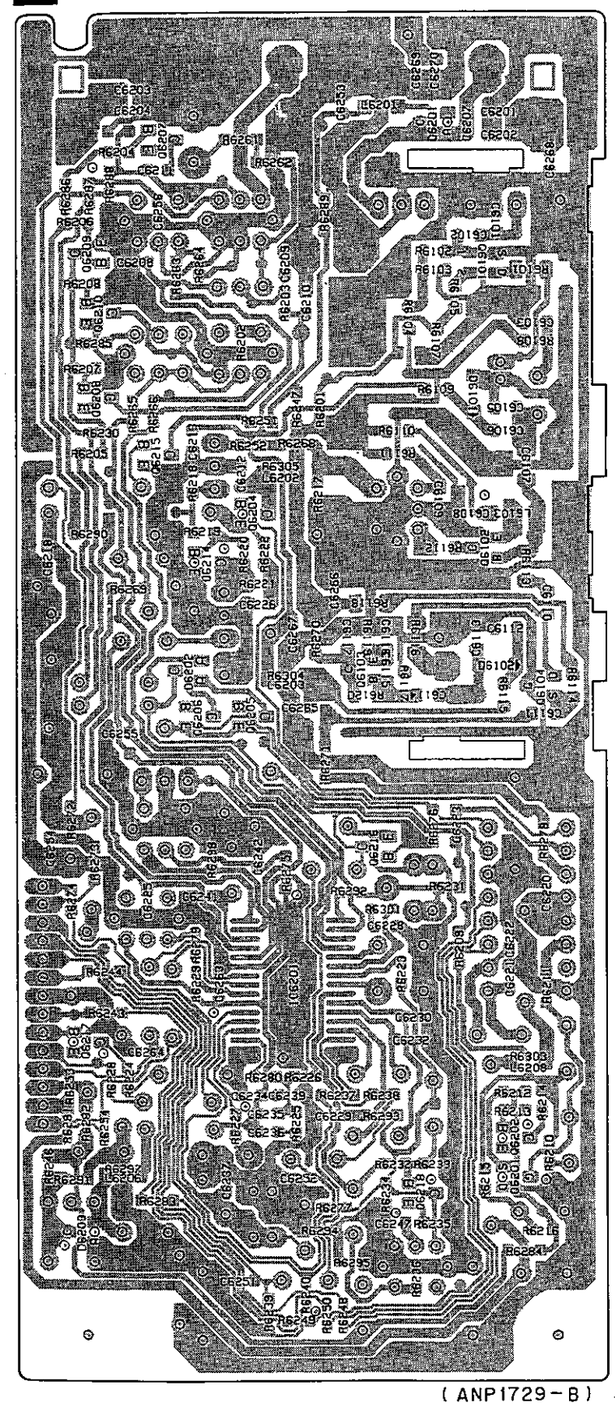
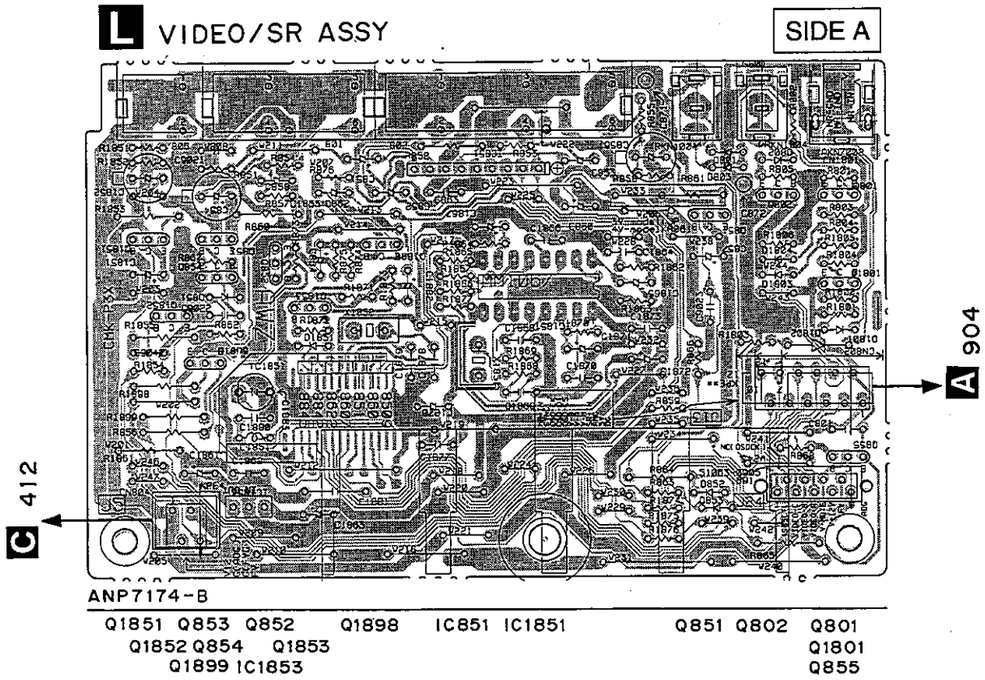
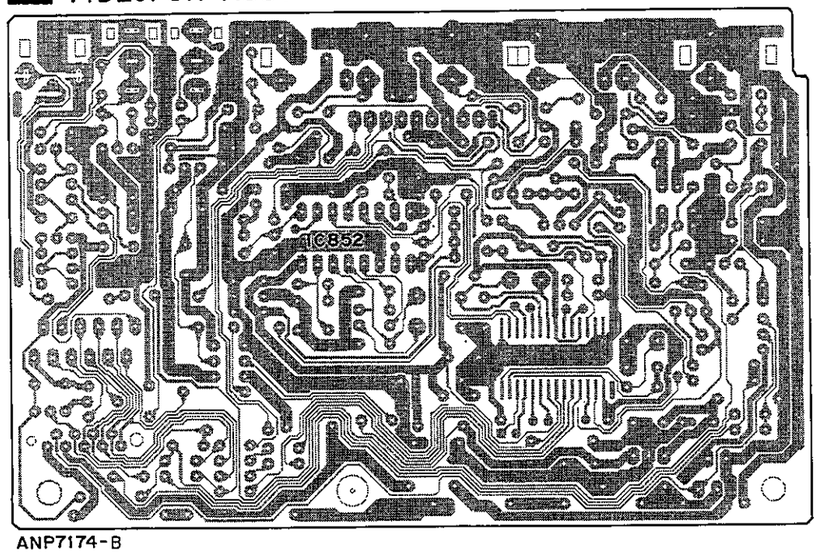
N FM/AM TUNER MODULE



(ANP1729-B)

4.10 VIDEO/SR ASSY





5. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47K ohm (tolerance is shown by J=5%, and K=10%).

560 Ω	*→ 56 × 10¹ → 561*	*RD1/4PU 5 6 1 J*
47 kΩ	*→ 47 × 10³ → 473*	*RD1/4PU 4 7 3 J*
0.5 Ω	*→ R50*	*RN2H R 5 0 K*
1 Ω	*→ 1R0*	*RS1P 1 R 0 K*

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ	*→ 562 × 10¹ → 5621*	*RN1/4PC 5 6 2 1 F*

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	PCB Assemblies	Part No.				Remarks
		VSX-D506S		VSX-456		
		KUXJI	KCXJI	KUXJI	KCXJI	
NSP	MOTHER ASSY	AWK7341	AWK7341	AWK7341	AWK7341	
NSP	├MOS FET ASSY	AWZ8497	AWZ8497	AWZ8497	AWZ8497	
	├TRANS ASSY	AWZ8593	AWZ8593	AWZ8593	AWZ8593	
	└INPUT ASSY	AWZ8609	AWZ8609	AWZ8609	AWZ8609	
	FRONT & R/C AMP ASSY	AWK7342	AWK7342	AWK7333	AWK7333	
NSP	├POWER SWITCH ASSY	AWZ8501	AWZ8501	AWZ8595	AWZ8595	
NSP	├FRONT INPUT ASSY	AWZ8502	AWZ8502	AWZ8596	AWZ8596	
NSP	├R/C SPEAKER ASSY	AWZ8597	AWZ8597	AWZ8597	AWZ8597	
	├REG. 1 ASSY	AWZ8599	AWZ8599	AWZ8599	AWZ8599	
	├FL/U-COM ASSY	AWZ8610	AWZ8610	AWZ8594	AWZ8594	
	└R/C AMP ASSY	AWZ8805	AWZ8805	AWZ8805	AWZ8805	
	COMPLEX ASSY	AWK7343	AWK7343	AWK7334	AWK7334	
NSP	├VIDEO/SR ASSY	AWZ8509	AWZ8509	AWZ8601	AWZ8601	
	├PRIMARY ASSY	AWZ8598	AWZ8598	AWZ8598	AWZ8598	
NSP	├VOLUME ASSY	AWZ8600	AWZ8600	AWZ8600	AWZ8600	
	└PRO LOGIC ASSY	AWZ8611	AWZ8611	AWZ8510	AWZ8510	
	FM/AM TUNER MODULE	AXQ7219	AXQ7219	AXQ7219	AXQ7219	

■ CONTRAST OF PCB ASSEMBLIES

B POWER SWITCH ASSY

AWZ8595, AWZ8501 have the same construction except for the following.

Mark	Srmbol & Description	Part No.		Remarks
		AWZ8501	AWZ8595	
	S985	ASG1034	Not used	

F FRONT INPUT ASSY

AWZ8596, and AWZ8502 have the same construction except for the following.

Mark	Srmbol & Description	Part No.		Remarks
		AWZ8502	AWZ8596	
	C1984-C1986	CGCYX473M16	Not used	
	R1981, R1982	RD1/4PU331J	Not used	
	R1983, R1984	RD1/4PU474J	Not used	
	R1985	RD1/4PU750J	Not used	
	CN1981	AKB7085	Not used	
	CN1993	KM250MA5	Not used	

A FL/U-COM ASSY

AWZ8594, AWZ8610 have the same construction except for the following.

Mark	Srmbol & Description	Part No.		Remarks
		AWZ8610	AWZ8594	
	D920	1SS252	Not used	

L VIDEO/SR ASSY

AWZ8601 and AWZ8509 have the same construction except for the following.

Mark	Srmbol & Description	Part No.		Remarks
		AWZ8509	AWZ8601	
	Q851, Q852, Q1898, Q1899	2SC1740S	Not used	
	C857	CEAS470M25	Not used	
	C862	Not used	CGCYX103M16	
	C864	CEAS4R7M50	Not used	
	C1853	CEANP4R7M50	Not used	
	R855	RD1/4PU680J	RD1/4PU750J	
	R856, R866, R876, R1899	RD1/4PU102J	Not used	
	R861	RD1/4PM331J	Not used	
	R873, R1898	RD1/4PM471J	Not used	
	R874, R875	RD1/4PU473J	Not used	

H PRO LOGIC ASSY

AWZ8510 and AWZ8611 have the same construction except for the following.

Mark	Srmbol & Description	Part No.		Remarks
		AWZ8611	AWZ8510	
	IC3009	M65849FP	Not used	
	Q3001	2SD468	Not used	
	Q3002	Not used	2SA933S	
	Q3004	2SK246	Not used	
	Q3005, Q3006	KRC103M	Not used	
	D3008	1SS252	Not used	
	D3009	MTZJ5.1C	Not used	
	C3040, C3041	CEAS1R0M50	Not used	
	C3042, C3044, C3045	CEAS2R2M50	Not used	
	C3043	CKCYB471K50	Not used	
	C3046	CFTXA683J50	Not used	
	C3047, C3053	CQMA222J50	Not used	
	C3048, C3054	CFTXA103J50	Not used	
	C3049, C3052	CFTXA683J50	Not used	
	C3050, C3051	CFTXA104J50	Not used	
	C3055	CEANP1R0M50	Not used	
	C3056	CEAS470M10	Not used	
	C3057	CGCYX104M25	Not used	
	C3069	CEAS470M16	Not used	
	C3074	CEANL4R7M50	Not used	
	R3010	Not used	RD1/4PU472J	
	R3031, R3032	RD1/4PU752J	Not used	
	R3033, R3034	RD1/4PU103J	Not used	
	R3035, R3036	RD1/4PU473J	Not used	
	R3037	RD1/4PU105J	Not used	
	R3039, R3040	RD1/4PU224J	Not used	
	R3041, R3042	RD1/4PU102J	RD1/4PU682J	
	R3043, R3044	RD1/4PU102J	RD1/4PU752J	
	R3045, R3046, R3047	RD1/4PU102J	Not used	
	R3057, R3058	Not used	RD1/4PU683J	
	R3059, R3060	Not used	RD1/4PU753J	
	R3072	RD1/4PU681J	Not used	
	R3084	RD1/4PU104J	Not used	
	R3091	RD1/4PU475J	Not used	
	R3094	RD1/4PU223J	Not used	
	X3002	ASS7014	Not used	

■PARTS LIST FOR VSX-D506S

Mark	No.	Description	Parts No.
E MOS FET ASSY			
SEMICONDUCTORS			
	Q395	POWER MOS FET	IRF540A
	Q396	POWER MOS FET	IRF9540A
RESISTORS			
Δ	R391, R392	CARBON FILM RESISTOR	RD1/4PMF101J
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
D TRANS ASSY			
SEMICONDUCTORS			
	D291,D292	DIODE	S5688G
CAPACITORS			
	C295	ELECT. CAPACITOR	CEAS470M50
RESISTORS			
	All Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
	H291-H294	FUSE CLIP	AKR1004
		CABLE HOLDER(11P)	51052-1100
		CABLE HOLDER(8P)	51052-0800
C INPUT ASSY			
SEMICONDUCTORS			
	IC201	REGULATOR IC	NJM78M56FA
	IC202,IC203	OP-AMP IC	NJM4558D-D
	IC401	OP-AMP IC	NJM4558D-D
	IC402	ANALOG SWITCH IC	TC9273N-007
	IC403	OP-AMP IC	NJM4558D-D
	IC409	OP-AMP IC	UPC4570HA
	Q201-Q203	TRANSISTOR	KRC101M
	Q205,Q206	TRANSISTOR	2SC1740S
	Q207	TRANSISTOR	2SC2878
	Q208	TRANSISTOR	2SC2705
	Q210	TRANSISTOR	2SA1145
	Q211	TRANSISTOR	KRC101M
	Q301,Q302	TRANSISTOR	2SC2878
	Q303-Q306	TRANSISTOR	2SA992
Δ	Q307,Q308	TRANSISTOR	2SA1321
Δ	Q309,Q310	TRANSISTOR	2SC3334
Δ	Q311,Q312	TRANSISTOR	2SC4793
Δ	Q313,Q314	TRANSISTOR	2SA1837
	Q315,Q316	TRANSISTOR	2SC2240
	Q321,Q322	TRANSISTOR	2SA970
	Q397,Q398	TRANSISTOR	2SC1740S
	D201-D203	DIODE	1SS252
	D209,D210	ZENNER DIODE	MTZJ18B
	D212,D213	DIODE	D5SBA20
	D214-D217	DIODE	S5688G
	D222	ZENER DIODE	MTZJ4.3C
	D223	ZENNER DIODE	MTZJ18B
	D224	DIODE	1SS252
	D230-D233	DIODE	1SS252
	D301-D304	DIODE	1SS252
	D313-D316	DIODE	1SS252
	D324-D327	DIODE	1SS252
	D402	ZENER DIODE	MTZJ5.1B
COILS AND FILTERS			
	L301,L302	COIL	ATH1004
SWITCHS AND RELAYS			
	S201	SLIDE SWITCH	ASH1027
	RY201-RY204	RELAY	ASR7001
CAPACITORS			
	C209	ELECT. CAPACITOR	CEAS221M10
	C210	CERAMIC CAPACITOR	CKCYB102K50
	C214,C215	ELECT. CAPACITOR	CEAS1R0M50
	C216,C217	ELECT. CAPACITOR (8200μF/71V)	ACH7018
	C218,C219	ELECT. CAPACITOR	CEAS101M2A
	C221	ELECT. CAPACITOR	CEAS222M35
	C222	ELECT. CAPACITOR	CEAS102M35
	C223	ELECT. CAPACITOR	CEAS470M16
	C224	ELECT. CAPACITOR	CEAS470M25
	C225	CERAMIC CAPACITOR	CKCYF103Z50
	C226	ELECT. CAPACITOR	CEAS101M10
	C227,C228	CKA (0.01μF/AC250V)	ACG1005
	C229	ELECT. CAPACITOR	CEAS4R7M50
	C301,C302	ELECT. CAPACITOR	CEAS2R2M50
	C303,C304	CERAMIC CAPACITOR	CCCSL151J50
	C305,C306	CERAMIC CAPACITOR	CKCYB102K2H
	C307, C308	CERAMIC CAPACITOR	CCCSL100D2H
	C311,C312	ELECT. CAPACITOR	CEAS101M10
	C313,C314	ELECT. CAPACITOR	CEAS101M25
	C315,C316	CERAMIC CAPACITOR	CCCSL5R0C2H
	C317-C320	CERAMIC CAPACITOR	CCCSL101K2H
	C321,C322	ELECT. CAPACITOR	CEANP2R2M50
	C323,C324	AUDIO FILM CAPACITOR	CFTXA473J50
	C335,C336	ELECT. CAPACITOR	CEAS4R7M2A
	C417,C418	ELECT. CAPACITOR	CEAS100M50
	C423,C424	ELECT. CAPACITOR	CEAS101M25
	C425,C426	PLASTIC FILM CAPACITOR	CQMA822J50
	C427,C428	PLASTIC FILM CAPACITOR	CQMA242J50
	C429,C430	CERAMIC CAPACITOR	CGCYX473M25
	C431,C432	ELECT. CAPACITOR	CEAS4R7M50
	C433,C434	CERAMIC CAPACITOR	CGCYX473M25
	C437,C438	ELECT. CAPACITOR	CEAS2R2M50
	C439,C440	ELECT. CAPACITOR	CEAS470M25
	C441,C442	CERAMIC CAPACITOR	CGCYX473M25
	C446-C448	CERAMIC CAPACITOR	CCCSL101J50
	C464	ELECT. CAPACITOR	CEAS470M25
	C479,C480	ELECT. CAPACITOR	CEAS4R7M50
	C485,C486	CERAMIC CAPACITOR	CKCYF103Z50
	C487	CERAMIC CAPACITOR	CGCYX473M25
	C489,C490	ELECT. CAPACITOR	CEAS4R7M50
	C491	CERAMIC CAPACITOR	CGCYX103M16
	C495	CERAMIC CAPACITOR	CGCYX104M12

Mark	No.	Description	Parts No.
RESISTORS			
	R241,R242	CARBON FILM RESISTOR	RD1/4PMF103J
	R313,R314	CARBON FILM RESISTOR	RD1/4PM362J
	R315,R316	CARBON FILM RESISTOR	RD1/4PM104J
	R319,R320	CARBON FILM RESISTOR	RD1/4LMF680J
⚠	R321,R322	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R327-R334	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R335,R336	FUSLIBLE RESISTOR	RF1/4PS8R2J
⚠	R337-R340	FUSIBLE RESISTOR	RF1/4PS4R7J
⚠	R341,R342	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R343,R344	FUSIBLE RESISTOR (0.33Ω,5W)	ACN-139
⚠	R345,R346	CARBON FILM RESISTOR	RD1/4PMF472J
⚠	R353,R354	CARBON FILM RESISTO	RRD1/4PMF100J
	R355,R356	METAL OXIDE RESISTOR	RS1LMF100J
	R460	METAL OXIDE RESISTOR	RS1PMF181J
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
		CABLE HOLDER(3P)	51052-0300
		CABLE HOLDER(10P)	51052-1000
		CABLE HOLDER(4P)	51063-0405
		CABLE HOLDER(8P)	51052-0800
		CABLE HOLDER(11P)	51052-1100
		CABLE HOLDER(4P)	51052-0400
		GROUND PLATE	VNF-091
		PIN JACK(4P)	AKB7014
		CABLE HOLDER(4P)	51063-0405
	CN201	SPEAKER TERMINAL 8-P	AKE7006
	CN206	CONNECTOR(15P)	KPE15
	CN212	5P PLUG	KM200TA5
	CN301	6P PLUG	KM200TA6
	CN401,CN402	PIN JACK(4P)	AKB7015
	CN404	PIN JACK(4P)	AKB7015
	CN407	14P PLUG	KM200IA14
	CN408	15P PLUG	KM200TA15
	CN409,CN410	CONNECTOR(15P)	KPE15
	CN411	CONNECTOR(11P)	KPE11
	CN413	PLUG 5-P	KM250MA5

B POWER SW ASSY

SEMICONDUCTORS			
	D981	LED(RED)	AEL1065
SWITCHS AND RELAYS			
	S981-S986	SWITCH	ASG1034
RESISTORS			
	R981	CARBON FILM RESISTOR	RD1/4PU271J
OTHERS			
	CN981	CONNECTOR(7P)	KPE7

Mark	No.	Description	Parts No.

F FRONT INPUT ASSY

CAPACITORS			
	C1984-C1986	CERAMIC CAPACITOR	CGCYX473M16
RESISTORS			
	R1991, R1992	METAL OXIDE RESISTOR	RS2LMF331J
OTHERS			
	CN1981	PIN JACK(3P)	AKB7085
	CN1991	JACK	AKN7001
	CN1993	PLUG 5-P	KM250MA5

J R/C SPEAKER ASSY

SEMICONDUCTORS			
	Q151	TRANSISTOR	2SC1740S
	Q163	TRANSISTOR	2SC2878
	D151,D152	DIODE	1SS252
COILS AND FILTERS			
	L154-L156	COIL	ATH1004
SWITCHS AND RELAYS			
	RY151,RY152	RELAY	ASR7001
CAPACITORS			
	C161,C163	AUDIO FILM CAPACITOR	CFTXA473J50
	C165	AUDIO FILM CAPACITOR	CFTXA473J50
RESISTORS			
	R183-R185	CARBON FILM RESISTOR	RD1/4PMF100J
	R186-R188	METAL OXIDE RESISTOR	RS1LMF100J
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
		CABLE HOLDER(4P)	51052-0400
	CN151	SPEAKER TERMINAL 6-P	AKE7041
	CN152	2P PIN JACK	AKB7001

G REG.1 ASSY

SEMICONDUCTORS			
	IC101	REGULATOR IC	NJM78M15FA
	IC102	REGULATOR IC	NJM79M15FA
	IC103	REGULATOR IC	NJM78M12FA
CAPACITORS			
	C101-C103	CERAMIC CAPACITOR	CKCYF103Z50
	C105-C107	ELECT. CAPACITOR	CEAS101M16
RESISTORS			
⚠	R226	METAL OXIDE RESISTOR	RS2LMF150J
OTHERS			
		CABLE HOLDER(6P)	51052-0600
		CABLE HOLDER(7P)	51052-0700

A FL/U-COM ASSY

SEMICONDUCTORS			
	IC1901	OP-AMP IC	UPC4570C
	IC1902	OP-AMP IC	NJM4558D-D
	IC901	CONTROL MCU	PDG197A
	Q901	TRANSISTOR	KRC101M
	Q902	TRANSISTOR	KRC103M
	Q903	TRANSISTOR	KRC101M
	Q904	TRANSISTOR	2SA933S
	Q905,Q906	TRANSISTOR	2SC1740S
	D901-D912	DIODE	1SS252
	D914-D918	DIODE	1SS252
	D920	DIODE	1SS252
	D923,D924	DIODE	1SS252
COILS AND FILTERS			
	L901	AXIAL INDUCTOR	LAU2R2J
SWICHS AND RELAYS			
	S903-S911	SWITCH	ASG1034
	S913-S916	SWITCH	ASG1034
	S919-S921	SWITCH	ASG1034
	S922	ROTARY ENCODER	ASX7001
CAPACITORS			
	C1903,C1904	AUDIO FILM CAPACITOR	CFTXA473J50
	C1905,C1906	AUDIO FILM CAPACITOR	CFTXA274J50
	C1907,C1908	AUDIO FILM CAPACITOR	CFTXA123J50
	C1909,C1910	AUDIO FILM CAPACITOR	CFTXA563J50
	C1911,C1912	ELECT. CAPACITOR	CEAS100M50
	C1915-C1918	ELECT. CAPACITOR	CEAS100M50
	C1919,C1920	CERAMIC CAPACITOR	CGCYX103M16
	C1921,C1922	ELECT. CAPACITOR	CEAS2R2M50
	C901	CERAMIC CAPACITOR	CKPUYY103M16
	C902	CAPACITOR(???)	ACH7058
	C903	ELECT. CAPACITOR	CEAS221M10
	C904	CERAMIC CAPACITOR	CKPUYY103M16
	C905,C906	CERAMIC CAPACITOR	CKPUYF473Z16
	C907	ELECT. CAPACITOR	CEAS2R2M50
	C908	CERAMIC CAPACITOR	CGCYX104M16
	C909	ELECT. CAPACITOR	CEAS2R2M50
	C910	AXIAL CAPACITOR	CKPYF103Z50
	C911	ELECT. CAPACITOR	CEAS101M25
	C912	ELECT. CAPACITOR	CEAS470M50
	C913	ELECT. CAPACITOR	CEAS470M25
	C914	CERAMIC CAPACITOR	CKCYF103Z50
	C917	AXIAL CAPACITOR	CKPUYB101K50
	C918	CERAMIC CAPACITOR	CKPUYY103M16
	C919	CERAMIC CAPACITOR	CKPUYB102K50
	C931	AXIAL CAPACITOR	CKPUYB101K50
	C932,C933	AXIAL CAPACITOR	CCPUSL220J50
	C934-C939	AXIAL CAPACITOR	CKPUYB101K50
	C940	ELECT. CAPACITOR	CEAS470M16
	C941,C942	AXIAL CAPACITOR	CKPUYB101K50
	C943,C944	CERAMIC CAPACITOR	CKPUYF103Z25
	C945,C965	CERAMIC CAPACITOR	CKPUYY103M16
RESISTORS			
	R919	RESISTOR ARRAY (10K)	RA8T103J
	VR1901,VR1902	VARIABLE RESISTOR (100KΩ)	ACS7020
	VR1903	VARIABLE (500-X1)	ACS1016
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
		REMOTE RECEIVER UNIT	GP1U28X
		CABLE HOLDER(15P)	51063-1505
		CABLE HOLDER(10P)	51063-1005
		CABLE HOLDER(12P)	51063-1205
		CABLE HOLDER(7P)	51063-0705
		CABLE HOLDER(11P)	51063-1105
		CABLE HOLDER(15P)	51063-1505
	V901	FL TUBE	AAV7035
	X901	CERAMIC RESONATOR (7.70MHz)	ASS1055

K R/C AMP ASSY

SEMICONDUCTORS			
	Q501	TRANSISTOR	2SC2878
	Q503	TRANSISTOR	2SA970
	Q505,Q507	TRANSISTOR	2SA992
	Q509	TRANSISTOR	2SA1321
	Q511	TRANSISTOR	2SC3334
⚠	Q513	TRANSISTOR	2SC1740S
⚠	Q515	POWER TR	2SC4793
⚠	Q517	POWER TR	2SA1837
	Q519	TRANSISTOR	2SC2240
	Q601,Q602	TRANSISTOR	2SC2878
	Q603,Q604	TRANSISTOR	2SA970
	Q605-Q608	TRANSISTOR	2SA992
	Q609,Q610	TRANSISTOR	2SA1321
	Q611,Q612	TRANSISTOR	2SC3334
⚠	Q613,Q614	TRANSISTOR	2SC1740S
⚠	Q615,Q616	POWER TRANSISTOR	2SC4793
⚠	Q617,Q618	POWER TRANSISTOR	2SA1837
	Q619,Q620	TRANSISTOR	2SC2240
	D501,D503	DIODE	1SS252
	D513,D515	DIODE	1SS252
	D517,D519	DIODE	1SS252
	D601-D604	DIODE	1SS252
	D613-D620	DIODE	1SS252
CAPACITORS			
	C501	ELECT. CAPACITOR	CEAS2R2M50
	C503	CERAMIC CAPACITOR	CCCSL151J50
	C505	CERAMIC CAPACITOR	CKCYB102K2H
	C507	CERAMIC CAPACITOR	CCCSL120K2H
	C511	ELECT. CAPACITOR	CEAS101M10
	C513	ELECT. CAPACITOR	CEAS101M25
	C515	CERAMIC CAPACITOR	CCCSL5R0C2H
	C517,C519	CERAMIC CAPACITOR	CCCSL101K2H
	C521	ELECT. CAPACITOR	CEANP2R2M50
	C601,C602	ELECT. CAPACITOR	CEAS2R2M50
	C603,C604	CERAMIC CAPACITOR	CCCSL151J50
	C605,C606	CERAMIC CAPACITOR	CKCYB102K2H

Mark	No.	Description	Parts No.
	C607,C608	CERAMIC CAPACITOR	CCCSL120K2H
	C611,C612	ELECT. CAPACITOR	CEAS101M10
	C613,C614	ELECT. CAPACITOR	CEAS101M25
	C615,C616	CERAMIC CAPACITOR	CCCSL5R0C2H
	C617-C620	CERAMIC CAPACITOR	CCCSL101K2H
	C621,C622	ELECT. CAPACITOR	CEANP2R2M50
RESISTORS			
	R517	CARBON FILM RESISTOR	RD1/4PM104J
	R521	CARBON FILM RESISTOR	RD1/4LMF680J
⚠	R523	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R529,R531	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R533,R535	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R537	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R539,R541	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R543	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R545	RESISTOR (0.33Ω, 5W)	ACN-139
⚠	R547	CARBON FILM RESISTOR	RD1/4PMF472J
	R617,R618	CARBON FILM RESISTOR	RD1/4PM104J
	R621,R622	CARBON FILM RESISTOR	RD1/4LMF680J
⚠	R623,R624	FUSIBLE RESISTOR	RF1/4PS101J
⚠	R629-R636	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R637,R638	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R639-R642	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R643,R644	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R645,R646	RESISTOR (0.33Ω, 5W)	ACN-139
⚠	R647,R648	CARBON FILM RESISTOR	RD1/4PMF472J
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
		CABLE HOLDER(9P)	51063-0905
		CABLE HOLDER(6P)	51052-0600

L VIDEO S/R ASSY

SEMICONDUCTORS

IC851	VIDEO SEITCH	LA7952
Q1898, Q1899	TRANSISTOR	SC1740S
Q801	TRANSISTOR	2SA933S
Q802	TRANSISTOR	KRC103M
Q851-Q854	TRANSISTOR	2SC1740S
Q855	TRANSISTOR	2SA933S
D801	DIODE	1SS252
D802	DIODE	1SS252
D851-D853	DIODE	1SS252

CAPACITORS

C1853	ELECT. CAPACITOR	CEANP4R7M50
C801	CERAMIC CAPACITOR	CKCYF103Z50
C851-C853	ELECT. CAPACITOR	CEAS4R7M50
C854, C856	ELECT. CAPACITOR	CEAS471M6R3
C857, C858	ELECT. CAPACITOR	CEAS470M25
C860	ELECT. CAPACITOR	CEAS470M25
C863	CERAMIC CAPACITOR	CKCYB102K50
C864	ELECT. CAPACITOR	CEAS4R7M50

Mark	No.	Description	Parts No.
RESISTORS			
	R860, R861	CARBON FILM RESISTOR	RD1/4PM331J
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
		PIN JACK(2P)	AKB7016
		3P RCA PINJACK	AKB7018
	JA803,JA807	JACK	RKN1004
	CN802	CONNECTOR(7P)	KPE7
	CN804	CONNECTOR(4P)	KPE4

M PRIMARY ASSY

SEMICONDUCTORS

IC51	REGULATOR IC	NJM78M56FA
Q51	TRANSISTOR	KRC101M
D51	DIODE	S5688G
D53	ZENER DIODE	MTZJ5.1A
D54,D55	DIODE	1SS252

TRANSFORMERS

⚠	T51	POWER TRANSFORMER	ATT7018

SWITCHS AND RELAYS

RY51	RELAY	ASR1044

CAPACITORS

C51	CERAMIC CAPACITOR	CGCYX103M25
C52	ELECT. CAPACITOR	CEAS471M16
C53	ELECT. CAPACITOR	CEAS470M16
C54,C55	CKA (10000pF/AC250V)	ACG7020

RESISTORS

R54	CARBON FILM RESISTOR	RD1/2PM270J
R55	RESISTOR(2.2MΩ, 1/2W)	ACN-208
Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J

OTHERS

	SOCKET(1P)	AKP1060
	GROUND PLATE	VNF-091
CN51	CONNECTOR(4P)	KPE4
H51,H52	FUSE CLIP	AKR1004

I VOLUME ASSY

SEMICONDUCTORS

IC701-IC703	IC	UPC4570C
Q701	TRANSISTOR	KRC103M
Q702	TRANSISTOR	KRA103M
Q703,Q704	N-FET	2SK246
Q705,Q706	TRANSISTOR	2SA1115
Q707,Q708	TRANSISTOR	2SC2603
D701,D703	DIODE	1SS252
D705	DIODE	1SS252

CAPASITORS

C701,C702	ELECT. CAPACITOR	CEAS4R7M50
C703,C704	AXIAL CAPACITOR	CCPUSL560J50
C705-C708	ELECT. CAPACITOR	CEAS4R7M50
C709,C710	CERAMIC CAPACITOR	CKPUYB151K50

Mark	No.	Description	Parts No.
	C711,C712	ELECT. CAPACITOR	CEAS4R7M50
	C714	ELECT. CAPACITOR	CEAS4R7M50
	C716	AXIAL CAPACITOR	CKPUYB101K50
	C718	ELECT. CAPACITOR	CEAS4R7M50
	C719	ELECT. CAPACITOR	CEANP100M50
	C720,C721	CERAMIC CAPACITOR	CCCSL271J50
	C722	ELECT. CAPACITOR	CEAS220M50
	C723-C728	CERAMIC CAPACITOR	CGCYX104M25
	C729,C730	AUDIO FILM CAPACITOR	CFTXA473J50
RESISTORS			
	VR701	VARIABLE RESISTOR (100Ω-A5x6)	ACX7028
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
		CABLE HOLDER(15P)	51063-1505
	CN702	6P SOCKET	KP200TA6L
	CN703	CONNECTOR(9P)	KPE9

H PRO LOGIC ASSY

SEMICONDUCTORS

IC3001	DOLBY PROLOGIC IC	LV1030
IC3002	LOGIC IC	TC4052BP
IC3003	DUAL ATT/BAL IC	M51132L
IC3004	OP-AMP IC	NJM4558D-D
IC3006-IC3008	OP-AMP IC	NJM4558D-D
IC3009	DSP IC	M65849FP
IC3010	OP-AMP IC	NJM4558D-D
IC3012	REGULATOR IC	NJM78M09FA
Q3001	TRANSISTOR	2SD468
Q3003,Q3004	N-FET	2SK246
Q3005	TRANSISTOR	KRC103M
Q3006	TRANSISTOR	KRA103M
Q3007	TRANSISTOR	KRC103M
Q3008	TRANSISTOR	KRA103M
Q3009	N-FET	2SK246
D3001,D3002	DIODE	1SS252
D3005,D3006	LED(RED)	BR3371XJ30A
D3007,D3008	DIODE	1SS252
D3009	ZENER DIODE	MTZJ5.1C
D3010	ZENER DIODE	MTZJ12C
D3011	DIODE	1SS252

CAPACITORS

C3001,C3002	ELECT. CAPACITOR	CEAS1R0M50
C3003	ELECT. CAPACITOR	CEAS221M10
C3004-C3007	ELECT. CAPACITOR	CEAS100M50
C3008	ELECT. CAPACITOR	CEAS2R2M50
C3009	ELECT. CAPACITOR	CEASR33M50
C3010,C3016	ELECT. CAPACITOR	CEAS221M10
C3011	AUDIO FILM CAPACITOR	CFTXA823J50
C3012	PLASTIC FILM CAPACITOR	CQMA332J50
C3013	AUDIO FILM CAPACITOR	CFTXA823J50
C3014	ELECT. CAPACITOR	CEASR47M50

Mark	No.	Description	Parts No.
	C3015	PLASTIC FILM CAPACITOR	CQMA473J50
	C3017	AUDIO FILM CAPACITOR	CFTXA474J50
	C3018	ELECT. CAPACITOR	CEAS470M10
	C3019	ELECT. CAPACITOR	CEAS1R0M50
	C3020	ELECT. CAPACITOR	CEAS221M16
	C3021-C3024	ELECT. CAPACITOR	CEAS100M50
	C3025,C3027	ELECT. CAPACITOR	CEASR47M50
	C3026,C3028	ELECT. CAPACITOR	CEANL4R7M50
	C3029	AUDIO FILM CAPACITOR	CFTXA154J50
	C3030	ELECT. CAPACITOR	CEANL3R3M50
	C3031,C3032	AUDIO FILM CAPACITOR	CFTXA154J50
	C3033	ELECT. CAPACITOR	CEANL3R3M50
	C3035	ELECT. CAPACITOR	CEANL4R7M50
	C3036	ELECT. CAPACITOR	CEASR47M50
	C3037	ELECT. CAPACITOR	CEANL4R7M50
	C3038	ELECT. CAPACITOR	CEASR47M50
	C3039-C3041	ELECT. CAPACITOR	CEAS1R0M50
	C3042	ELECT. CAPACITOR	CEAS2R2M50
	C3043	CERAMIC CAPACITOR	CKCYB471K50
	C3044	ELECT. CAPACITOR	CEAS2R2M50
	C3045	ELECT. CAPACITOR	CEAS2R2M50
	C3046	AUDIO FILM CAPACITOR	CFTXA683J50
	C3047	PLASTIC FILM CAPACITOR	CQMA222J50
	C3048	AUDIO FILM CAPACITOR	CFTXA103J50
	C3049	AUDIO FILM CAPACITOR	CFTXA683J50
	C3050,C3051	AUDIO FILM CAPACITOR	CFTXA104J50
	C3052	AUDIO FILM CAPACITOR	CFTXA683J50
	C3053	PLASTIC FILM CAPACITOR	CQMA222J50
	C3054	AUDIO FILM CAPACITOR	CFTXA103J50
	C3055	ELECT. CAPACITOR	CEANP1R0M50
	C3056	ELECT. CAPACITOR	CEAS470M10
	C3057	CERAMIC CAPACITOR	CGCYX104M25
	C3058,C3059	ELECT. CAPACITOR	CEAS220M25
	C3060-C3062	ELECT. CAPACITOR	CEAS4R7M50
	C3063	ELECT. CAPACITOR	CEAS470M16
	C3064	ELECT. CAPACITOR	CEAS220M25
	C3065,C3066	ELECT. CAPACITOR	CEAS4R7M50
	C3067	ELECT. CAPACITOR	CEAS470M25
	C3068-C3071	ELECT. CAPACITOR	CEAS470M16
	C3072,C3073	ELECT. CAPACITOR	CEAS4R7M50
	C3074	ELECT. CAPACITOR	CEANL4R7M50
	C3075,C3076	ELECT. CAPACITOR	CEAS100M50
	C3077	CERAMIC CAPACITOR	CKCYB471K50
	C3079,C3080	ELECT. CAPACITOR	CEAS4R7M50
	C3081-C3084	CERAMIC CAPACITOR	CGCYX473M25
	C3085	CERAMIC CAPACITOR	CGCYX104M25
	C3086	CERAMIC CAPACITOR	CCCSL101J50
RESISTORS			
	R3020	METALFILM RESISTOR	RN1/4PC5102F
	R3021,R3022	METALFILM RESISTOR	RN1/4PC1003F
	R3023	METALFILM RESISTOR	RN1/4PC3902F
	R3024	METALFILM RESISTOR	RN1/4PC5102F
	R3025,R3026	METALFILM RESISTOR	RN1/4PC1003F

Mark	No.	Description	Parts No.
	R3027	METALFILM RESISTOR	RN1/4PC3902F
	R3071	METAL OXIDE RESISTOR	RS1LMF270J
	R3073	CARBON FILM RESISTOR	RD1/2PM820J
	Other Resistors	CARBON FILM RESISTOR	RD1/4PU□□□J
OTHERS			
	CN3001	15P SOCKET	KP200TA15L
	CN3002	5P SOCKET	KP200TA5L
	CN3003	CONNECTOR(10P)	KPE10
	X3001	CERAMIC RESONATOR (8.00MHz)	DSS1053
	X3002	CERAMIC RESONATOR (4.00MHz)	ASS7014

N FM/AM TUNER MODULE

SEMICONDUCTORS

IC6201	AM/FM +MPX IC	LA1836M
IC6202	PLL IC	LM7001J
Q6101	DUALGATE-FET (CHIP)	3SK194
Q6102	TRANSISTOR	2SC2223
Q6103	TRANSISTOR	2SC2714
Q6104	MOS-FET	2SK302
Q6201	NCH-FET(SMD)	2SK208
Q6202	TRANSISTOR	2SC2712
Q6203	TRANSISTOR	2SC2235
Q6204	TRANSISTOR	XDA124EK
Q6214	TRANSISTOR	2SC2714
Q6217	TRANSISTOR	XDC124EK
D6101,D6102	VARI-CAP	1T33

COILS AND FILTERS

L6101	COIL	ATC1020
L6102	COIL	ATC1021
L6103	CHIP COIL	ATH1043
L6104	FM COIL	ATC1003
L6202,L6203	CHIP COIL	LCTA2R2J3225
L6207	FM DETECTION COIL	ATE1013
L6208	CHIP COIL	LCTA2R2J3225
F6101	CERAMIC FILTER	ATF-155
F6202	AM CERAMIC FILTER (450KHz)	ATF1156
F6203,F6204	CERAMIC FILTER	ATF-119

TRANSFORMERS

T6101	FM IF TRANS.	ATE-063

CAPACITORS

C6101	CHIP CAPACITOR	CCSQCH5R0C50
C6102	CERAMIC CAPACITOR	CKSQYB103K50
C6103	CHIP CAPACITOR	CKSQYB102K50
C6105	CHIP CAPACITOR	CCSQTH150J50
C6106	CHIP CAPACITOR	CKSQYB102K50
C6107	CHIP CAPACITOR	CCSCK1R0C50
C6108	CHIP CAPACITOR	CCSQCH101J50
C6109	CERAMIC CAPACITOR	CKSQYB103K50
C6110	CHIP CAPACITOR	CCSQCK2R0C50
C6111	CHIP CERAMIC C.	CCSQCH150J50
C6112	CHIP CAPACITOR	CKSQYB102K50
C6113	CHIP CAPACITOR	CCSQRH180J50

Mark	No.	Description	Parts No.
	C6114	CHIP CAPACITOR	CCSQRH080D50
	C6115	CHIP CAPACITOR	CCSQCH330J50
	C6116	CHIP CERAMIC C.	CCSQCH150J50
	C6117	CERAMIC CAPACITOR	CKSQYB103K50
	C6202	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6203	CHIP CAPACITOR	CCSQCH101J50
	C6204	CHIP CAPACITOR	CKSQYB102K50
	C6208	CHIP CERAMIC C.	CCSQCH150J50
	C6209	CERAMIC CAPACITOR	CKSQYB473K50
	C6210	CERAMIC CAPACITOR	CKSQYB103K50
	C6212	CHIP CAPACITOR	CKSQYF103Z50
	C6213	CHIP CAPACITOR	CKSQYB223K50
	C6214	AUDIO FILM CAPACITOR	CFTXA224J50
	C6215	AUDIO FILM CAPACITOR	CFTXA103J50
	C6216,C6217	ELECT. CAPACITOR	CEAS330M16
	C6218	CHIP CAPACITOR	CKSQYF103Z50
	C6219	ELECT. CAPACITOR	CEAS470M10
	C6220	CHIP CAPACITOR	CKSQYF223Z50
	C6221,C6222	CHIP CERAMIC C.	CCSQCH150J50
	C6223	CHIP CAPACITOR	CKSYF103Z50
	C6224	ELECT. CAPACITOR	CEAS100M50
	C6225	CERAMIC CAPACITOR	CKSQYF473Z50
	C6226	CHIP CAPACITOR	CKSQYF223Z50
	C6227	ELECT. CAPACITOR	CEAS101M10
	C6228	CERAMIC CAPACITOR	CKSQYB472K50
	C6229	CERAMIC CHIP C.	CCSCH821J50
	C6230	CHIP CAPACITOR	CKSQYB393K50
	C6231	ELECT. CAPACITOR	CEAS3R3M50
	C6232	CERAMIC CAPACITOR	CKSYB393K50
	C6233	ELECT. CAPACITOR	CEAS3R3M50
	C6234	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6235	CERAMIC CAPACITOR	CKSQYF224Z25
	C6236	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6237	CERAMIC CAPACITOR	CKSQYB473K50
	C6238	ELECT. CAPACITOR	CEJA100M16
	C6239	CHIP CAPACITOR	CKSQYF223Z50
	C6241	CERAMIC CAPACITOR	CKSQYF473Z50
	C6242	CHIP CAPACITOR	CKSQYF223Z50
	C6243-C6245	ELECT. CAPACITOR	CEAS470M16
	C6246	ELECT. CAPACITOR	CEAS100M50
	C6249,C6250	ELECT. CAPACITOR	CEJA4R7M35
	C6251	CHIP CAPACITOR	CKSYB472K50
	C6252	CERAMIC CAPACITOR	CKSQYB472K50
	C6255	CHIP CAPACITOR	CKSQYF223Z50
	C6261	ELECT. CAPACITOR	CEAS1R0M50
	C6262	ELECT. CAPACITOR	CEAS100M50
	C6263	CHIP CAPACITOR	CKSYF473Z50
	C6264	CERAMIC CAPACITOR	CKSQYB103K50
	C6265	CERAMIC CAPACITOR	CKSQYB473K50
	C6266	CERAMIC CAPACITOR	CKSQYF473Z50
	C6267	CERAMIC CAPACITOR	CKSQYB473K50
	C6268	CHIP CAPACITOR	CCSQCH101J50

VSX-D506S, VSX-456

Mark	No.	Description	Parts No.
RESISTORS			
	R6101	CHIP RESISTOR	RS1/8S470J
	R6113,R6116	CHIP RESISTOR	RS1/8S0R0J
	R6118	CHIP RESISTOR	RS1/8S0R0J
	R6209	CHIP RESISTOR	RS1/8S221J
	R6211	CHIP RESISTOR	RS1/8S103J
	R6237	CHIP RESISTOR	RS1/8S182J
	R6239	CHIP RESISTER	RS1/8S332J
	R6243,R6244	CHIP RESISTOR	RS1/8S101J
	R6268-R6271	CHIP RESISTOR	RS1/8S0R0J
	R6275,R6276	CHIP RESISTOR	RS1/8S0R0J
	R6278,R6283	CHIP RESISTOR	RS1/8S0R0J
	R6284,R6290	CHIP RESISTOR	RS1/8S0R0J
	R6293,R6294	CHIP RESISTOR	RS1/8S0R0J
	R6297	CHIP RESISTOR	RS1/8S0R0J
	R6299,R6300	CARBON FILM RESISTOR	RD1/4PU102J
	VR6201	VR (10KΩ)	ACP1056
	VR6202	VR	VRTB6VS223
	Other Resistors	CHIP RESISTOR	RS1/10S0R0J
OTHERS			
		AM RF TUNING BLOCK	AXX1025
	BN6201	TERMINAL 4-P	AKE7028
	CN6201	14P SOCKET	KP200IA14L
	X6201	CRYSTAL RESONATOR (456KHz)	ASS1066
	X6202	CERAMIC RESONATOR (450KHz)	ATF1027
	X6203	CRYSTAL RESONATOR (7.200MHz)	ASS1042

6. ADJUSTMENT

6.1 TUNER SECTION

■ FM Tuner Section

- Set the mode selector to FM BAND.
- Connect the wiring as shown in Fig. 1–1.

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Center Adjustment	98 Non modulation	80 or more	———	L6207	Adjust so that the DC voltage between the IC6201-Pin 4 and Pin 28 (or ⊕ leads of C6224 and C6261) becomes 0V±50mv.
2	Front End Sensitivity Adjustment	98	10 to 30	98MHz	L6102 T6101	Adjust so that the DC voltage between the IC6201-Pin 12 and GND (or ⊕ leads of C6238 and GND) becomes at maximum level.
3	Stereo Distortion	98	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	98	15±2	98MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

- *Before adjusting, make sure there is no gap between L6101 and L6102. If there is a gap between them, bring them into contact with each other first, and then make adjustments.*
- *Make indicator adjustments in order of AM→ FM.*

■ AM Tuner Section

- Set the mode selector to AM BAND.
- Connect the wiring as shown in Fig. 1–1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dBμV/m)			
1	TUNED IND. Lighting Level	999*1	47 (±2dB)	999kHz*1	VR6202	Adjust so that the indicator of TUNED IND. stars to light up.

**1: For the area using 10kHz step, frequencies should be 1000 kHz*

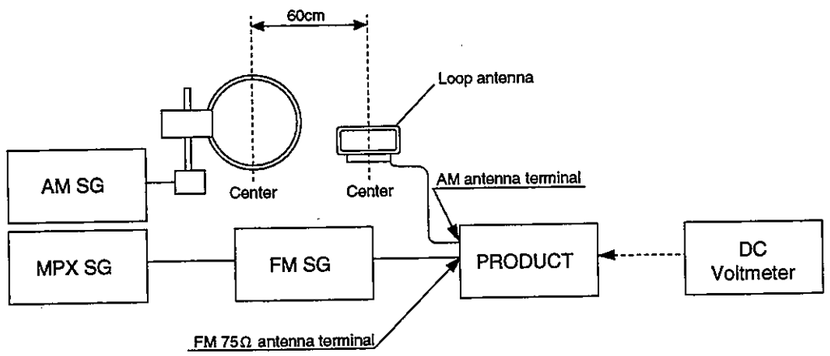


Fig. 1–1 AM and FM Adjustment Wiring Diagram

FM/AM TUNER MODULE

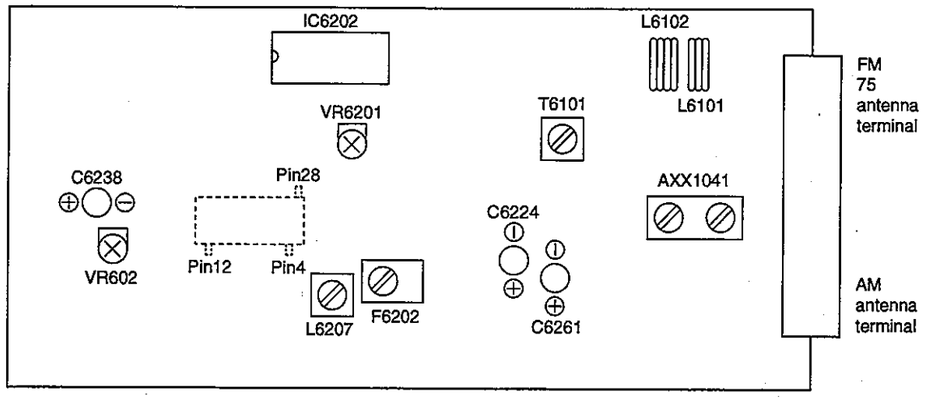
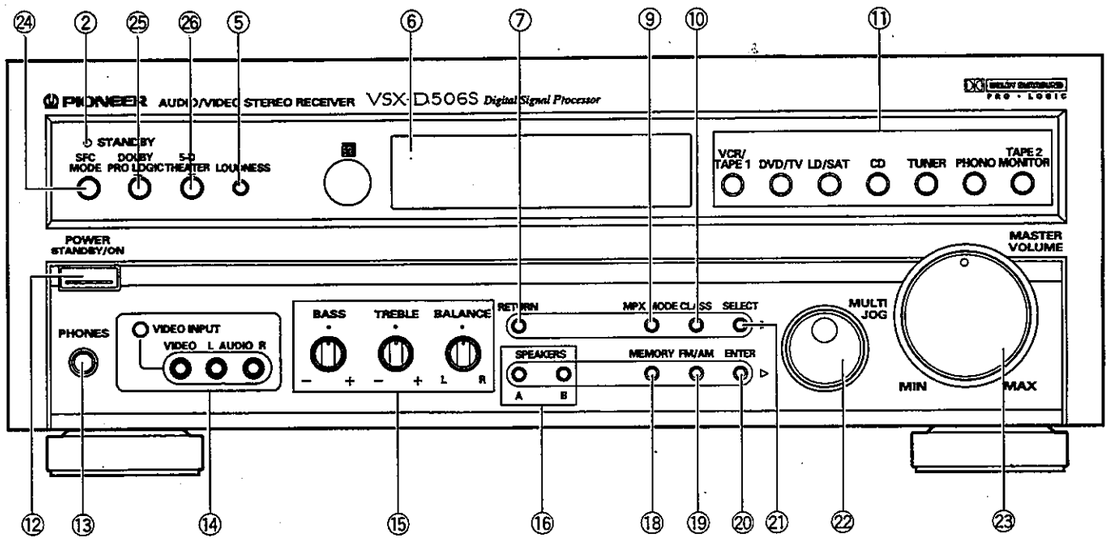


Fig. 1–2 Adjustment Points

■MODEL VSX-D506S

* The size of characters shown in the figure may differ from that on the actual product.

Front panel



② STANDBY indicator

⑤ LOUDNESS button
Press this button when the volume is low to raise the low and high range levels so that the sound can be heard more easily.

⑥ Display

⑦ RETURN button

⑨ MPX MODE button
Use to switch the auto stereo/monaural mode for receiving FM broadcasts. When the received broadcast signal is weak, press this button to set the monaural mode.

⑩ CLASS button

⑪ Function buttons

⑫ POWER STANDBY/ON button

⑬ PHONES jack (Headphone terminal)

⑭ VIDEO INPUT button/terminal
Connect to a video camera, etc.

⑮ TONE and BALANCE controls
Use to adjust tone and volume balance.

⑯ SPEAKERS A, B buttons
ON/OFF switches for the A and B speaker systems.

⑱ MEMORY button

⑲ FM/AM button
Use to switch the FM/AM frequency band reception.

⑳ ENTER button

㉑ SELECT button
Use to switch the control of the MULTI JOG between station mode and frequency mode when operating the tuner.

㉒ MULTI JOG
Use to select the frequency and station number when operating the tuner.

㉓ MASTER VOLUME

㉔ SFC MODE button

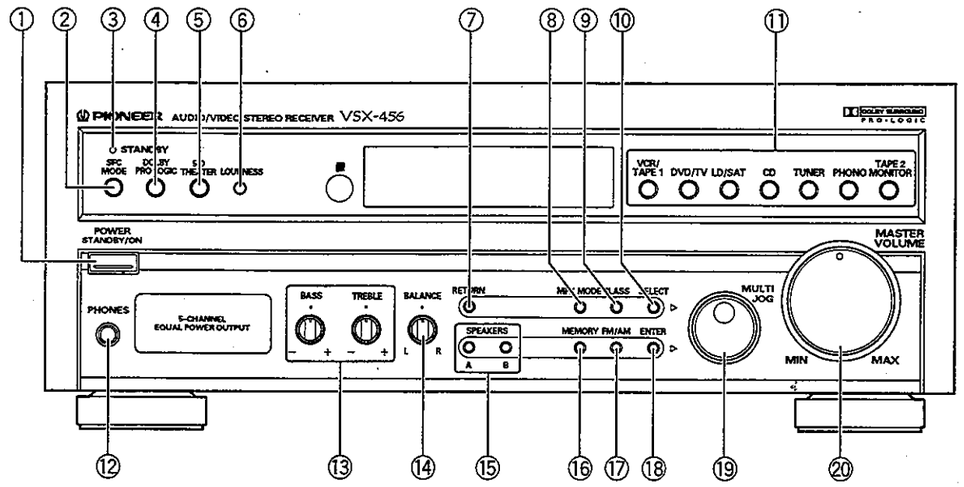
㉕ DOLBY PRO LOGIC button
Switches DOLBY PRO LOGIC SURROUND on and off.

㉖ 5-D THEATER button

■MODEL VSX-456

Front Panel

- The size of characters in the figure may different from that on the actual product.



① POWER STANDBY/ON button

② SFC MODE button

③ STANDBY indicator

④ DOLBY PRO-LOGIC button

⑤ 5-D THEATER button

⑥ LOUDNESS button
Press this button when the volume is low to raise the low and high range levels so that the sound can be heard more easily.

⑦ RETURN button

⑧ MPX MODE button
Use to switch the auto stereo/monaural mode for receiving FM broadcasts.
When the received broadcast signal is weak, press this button to set the monaural mode.

⑨ CLASS button

⑩ SELECT button
Use to switch the control of the MULTI JOG between station mode and frequency mode when operating the tuner.

⑪ Function buttons

⑫ PHONES jack (Headphone terminal)

⑬ TONE control
Use to adjust tone.

⑭ BALANCE control
Use to adjust volume balance.

⑮ SPEAKERS A, B buttons
ON/OFF switches for the A and B speaker systems.

⑯ MEMORY button

⑰ FM/AM button
Use to switch the FM/AM frequency band reception.

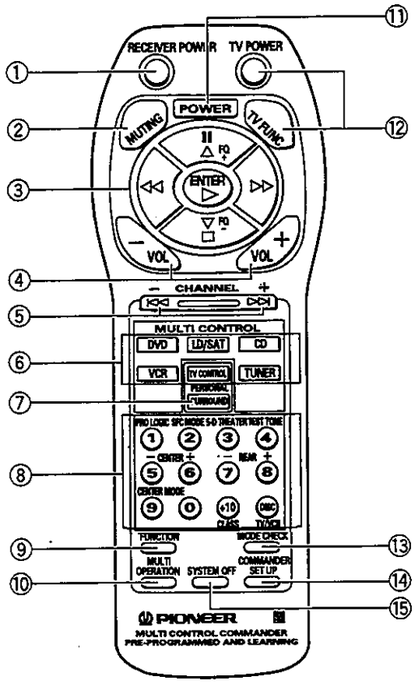
⑱ ENTER button

⑲ MULTI JOG
Use to select the frequency and station number when operating the tuner.

⑳ MASTER VOLUME

■MODEL VSX-D506S

Remote control unit



① **RECEIVER POWER button**

② **MUTING button**
Press to mute the volume.

③ **[When set to SURROUND (OPERATIONS)]**
△,▽,◁,▷ (Select/Adjust)buttons
[When set to other than SURROUND (OPERATIONS)]
▯▯(Pause), □ (Stop), ◁◁(Rewind), ▷▷(Fast Forward), ▷ (Play) buttons

④ **VOL (–, +) buttons**

⑤ **[TV Operations]**
Selects the TV broadcast channel.
[CD, LD, DVD operations]
⏮, ⏭ (Chapter/Track Search) buttons

⑥ **MULTI CONTROL function buttons**
Used to set and operate the MULTI CONTROL, and switch the function.
TV CONTROL: Press to operate TV.

⑦ **SURROUND/PERSONAL button**
[When setting MULTI operations]
Press when setting to the personal mode using multi operations.
[When setting to other than multi operation]
Press when performing surround operations and setting/changing setting modes.

⑧ **Number/surround setting buttons**
[When setting surround (operations)]
PRO LOGIC (VSX-D506S): Turns Dolby Pro Logic ON/OFF.
SFC MODE (VSX-D506S): Switches the surround effects.
5-D THEATER (VSX-D506S): When turned ON, the rear channel sound becomes stereo-like (deep and clear).
TEST TONE: When turned ON (while in surround mode), volume balance adjustment signals are output in order from the speakers and can be adjusted.
CENTER –, +: Adjusts the center level.
REAR –, +: Adjusts the rear level.
[Tuner Operations]
Number buttons: Use for setting the frequency value when the station call is selected or during direct access.
CLASS: Switches the CLASS number.
[VCR operations]
TV/VCR: Switches between TV/VCR.
[CD Operations]
DISC: Use to select the DISC number.

⑨ **FUNCTION button**
Switches the function.

⑩ **MULTI OPERATION button**
Use to set the multi operation.

⑪ **POWER button**
Turns ON/OFF the power of devices other than this unit.

⑫ **TV buttons**

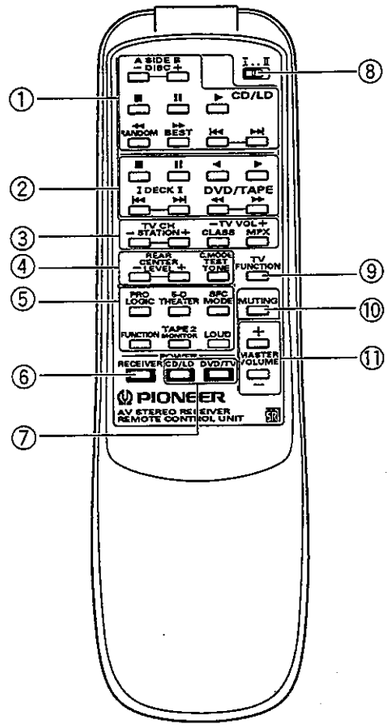
⑬ **MODE CHECK button**

⑭ **COMMANDER SET UP button**
Use to control and learn operations of other manufacturer's equipment, and set multi operation functions.

⑮ **SYSTEM OFF button**
Use to turn OFF the power of all equipment connected to the main unit.

■MODEL VSX-456

REMOTE CONTROL UNIT



① **CD/LD buttons**
(When the MODE switch is set to I.)
Sets CD.
DISC –/+, ■, ⏸, ▶, RANDOM, BEST, ⏮, ⏭
(When the MODE switch is set to II.)
Sets LD.
SIDE A/B, ■, ⏸, ▶, ◀◀, ▶▶, ⏮, ⏭

② **DVD/TAPE buttons**
(When the MODE switch is set to I.)
Sets DVD.
■, ⏸, ▶, ⏮, ⏭, ◀◀, ▶▶
(When the MODE switch is set to II.)
Sets TAPE DECK.
■, ⏸, ◀, ▶, DECK I/II, ◀◀, ▶▶

③ **TV/TUNER buttons**
(When the MODE switch is set to I.)
Sets AM/FM tuner.
STATION –/+, CLASS, MPX
(When the MODE switch is set to II.)
Sets TV.
TV CH (channel) –/+, TV VOL (volume) –/+

④ **SURROUND ADJUSTMENT buttons**
(When the MODE switch is set to I.)
CENTER LEVEL –/+
Adjusts the center level.
TEST TONE
When SFC MODE or DOLBY PRO LOGIC is ON, volume balance adjustment signals are output in order from each speaker and center/rear level can be adjusted.
(When the MODE switch is set to II.)
REAR LEVEL –/+
Adjusts the rear level.
C.MODE
Switches the center mode.

⑤ **RECEIVER buttons**
PRO LOGIC
Use to turn ON/OFF DOLBY PRO LOGIC surround.
5-D THEATER
Use to select from 2 types of 5-D THEATER.
5-D PRO LOGIC → 5-D SURR → SURR OFF →
SFC MODE
Use to select from 2 types of SFC MODE.
STUDIO → ARENA → SFC OFF →
FUNCTION
Use to switch the function.
TAPE 2 MONITOR
Use to turn ON the TAPE 2 MONITOR.
LOUD. (LOUDNESS)
When turned ON in low volume setting, the low and high range sound levels increase, making the sounds clearer.

⑥ **POWER (RECEIVER) button**
Use to switch the RECEIVER power to ON or STANDBY.

⑦ **POWER (CD/LD, DVD/TV) buttons**
(When the MODE switch is set to I.)
Use to turn ON/OFF the CD, DVD power.
(When the MODE switch is set to II.)
Use to turn ON/OFF the LD, TV power.

⑧ **MODE switch**
Use to switch the remote control unit modes.

⑨ **TV FUNCTION button**
Use to switch the TV function.

⑩ **MUTING button**
Turns ON when the volume is muted.

⑪ **MASTER VOLUME –/+ buttons**
Use to adjust the volume.

■MODEL VSX-D506S

SPECIFICATIONS

Amplifier Section

Continuous average power output of 100 watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.09 % total harmonic distortion (front).**

[Multi-voltage model only]
Continuous Power Output (DIN)
Front (1 kHz, T.H.D. 1 %, 8 Ω)
VSX-D506S ..... 110 W + 110 W
[U.S. and Canadian models only]
Continuous Power Output
Front ..... 100 W + 100 W (1 kHz, 0.8 %, 8 Ω)
Center ..... 100 W (1 kHz, 0.8 %, 8 Ω)
Rear ..... 100 W (1 kHz, 0.8 %, 8 Ω)

Input (Sensitivity/Impedance)
PHONO MM ..... 2.8 mV/47 kΩ
LD/SAT, CD, VCR/TAPE 1, TAPE 2
DVD/TV, VIDEO ..... 200 mV/47 kΩ
Phono Overload Level (T.H.D. 0.1 %, 1kHz)
PHONO MM ..... 100 mV
Frequency Response
PHONO MM ..... 20 Hz to 20,000 Hz ± 0.3 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2
DVD/TV, VIDEO ..... 5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)
VCR/TAPE 1 REC, TAPE 2 REC ..... 200 mV/2.2 kΩ
Tone Control
BASS ..... ± 9 dB (100 Hz)
TREBLE ..... ± 9 dB (10 kHz)
Signal-to-Noise Ratio (IHF, short circuited, A network)
PHONO MM
VSX-D506S ..... 72 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2, DVD/TV, VIDEO
VSX-D506S ..... 96 dB
Signal-to-Noise Ratio [EIA, at 1 W (1kHz)]
PHONO MM ..... 75 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2, DVD/TV, VIDEO
VSX-D506S ..... 79 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.*
** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)
LD/SAT, VCR, DVD/TV, VIDEO ..... 1 Vp-p/75 Ω
Output (Level/Impedance)
VCR REC, MONITOR TV ..... 1 Vp-p/75 Ω
Frequency Response
LD/SAT, VCR, DVD/TV, VIDEO
→ MONITOR ..... 5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio ..... 55 dB
Cross Talk ..... 55 dB

FM Tuner Section

Frequency Range ..... 87.5 MHz to 108 MHz
Usable Sensitivity ..... Mono: 11.2 dBf, IHF (1.0 μV/75 Ω)
50 dB Quieting Sensitivity ..... Mono: 16.8 dBf
Stereo: 38.6 dBf
Signal-to-Noise Ratio ..... Mono: 73 dB (at 85 dBf)
Stereo: 70 dB (at 85 dBf)
Distortion ..... Stereo: 0.5 % (1kHz)
Alternate Channel Selectivity ..... 60 dB (400 kHz)
Stereo Separation ..... 40 dB (1 kHz)
Frequency Response ..... 30 Hz to 15 kHz (± 1) dB
Antenna Input ..... 75 Ω unbalanced

AM Tuner Section

Frequency Range ..... 531 kHz to 1,602 kHz (9 kHz step)
530 kHz to 1,700 kHz (10 kHz step)
Sensitivity (IHF, Loop antenna) ..... 350 μV/m
Selectivity ..... 25 dB
Signal-to-Noise Ratio ..... 50 dB
Antenna ..... Loop antenna

Miscellaneous

Power Requirements
U.S. and Canadian models ..... AC 120 V, 60 Hz
Multi-voltage model ..... AC 110 V/120-127 V/220 V/240 V (Switchable), 50/60 Hz
Power Consumption
U.S. and Canadian models
VSX-D506S ..... 260 W, 360 VA
Multi-voltage model
VSX-D506S ..... 265 W
In Standby Condition ..... 2.5 W
AC Outlet (Multi-voltage, U.S. and Canadian models only)
U.S. and Canadian models
SWITCHED ..... 100 W (0.8 A) MAX
Multi-voltage model
SWITCHED ..... 100 W MAX
Dimensions
VSX-D506S ..... 420 (W) × 155 (H) × 374 (D) mm
16-9/16 (W) × 6-1/8 (H) × 14-3/4 (D) in
Weight (without package)
VSX-D506S
U.S. and Canadian models ..... 9.1 kg (20 lb 1 oz)
Multi-voltage model ..... 9.2 kg (20 lb 5 oz)

Furnished Parts

FM Antenna 1
AM Loop Antenna 1
Dry Cell Batteries (AA/LR6) 2
Remote Control Unit 1
Operating Instructions 1
Sub instruction manual (Remote Control Unit) 1

NOTE:
Specifications and the design are subject to possible modifications without notice, due to improvements.

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VSX-D506S, VSX-456

■MODEL VSX-456

SPECIFICATIONS

Amplifier section

Continuous average power output of 100 watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.09 % total harmonic distortion (front).**

[Multi-voltage model only]
Continuous Power Output (DIN)
Front (1kHz, T.H.D. 1 %, 8 Ω) ..... 110 W + 110 W

Continuous Power Output
Front ..... 100 W + 100 W (1kHz, 0.8 %, 8 Ω)
Center ..... 100 W (1kHz, 0.8 %, 8 Ω)
Rear ..... 100 W + 100 W (1kHz, 0.8 %, 8 Ω)

Input (Sensitivity/Impedance)
PHONO MM ..... 2.8 mV/47 kΩ
CD, VCR/TAPE 1, TAPE 2, DVD/TV, LD/SAT
..... 200 mV/47 kΩ
Phono Overload level (T.H.D. 0.1 %, 1kHz)
PHONO MM ..... 100 mV
Frequency Response
PHONO MM ..... 20 Hz to 20,000 Hz ± 0.3 dB
CD, VCR/TAPE 1, TAPE 2, DVD/TV, LD/SAT
..... 5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)
VCR/TAPE 1 REC, TAPE 2 REC ..... 200 mV/2.2 kΩ
VIDEO OUT ..... 200 mV/2.2 kΩ
Tone Control
BASS ..... ± 9 dB (150 Hz)
TREBLE ..... ± 9 dB (10 kHz)
LOUDNESS ..... + 8 dB/+ 6 dB (100 Hz/10 kHz)
Signal-to-Noise Ratio (IHF, short circuited, A network)
PHONO MM ..... 72 dB
CD, VCR/TAPE 1, TAPE 2, DVD/TV, LD/SAT ..... 96 dB
Signal-to Noise Ratio [EIA, at 1 W (1 kHz)]
PHONO MM ..... 75 dB
CD, VCR/TAPE 1, TAPE 2, DVD/TV, LD/SAT ..... 79 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.*
** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)
VCR, DVD/TV, LD/SAT ..... 1 Vp-p/75 Ω
Output (Level/Impedance)
VCR ..... 1 Vp-p/75 Ω
Frequency Response
VCR, DVD/TV, LD/SAT → MONITOR
..... 5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio ..... 55 dB
Cross Talk ..... 55 dB

FM Tuner Section

Frequency Range ..... 87.5 MHz to 108 MHz
Usable Sensitivity ..... Mono:11.2 dBf, IHF (1.0 μV/75 Ω)
50 dB Quieting Sensitivity ..... Mono: 16.8 dBf
Stereo: 38.6 dBf
Signal-to-Noise Ratio ..... Mono: 73 dB (at 85 dBf)
Stereo: 70 dB (at 85 dBf)
Distortion ..... Stereo: 0.5 % (1 kHz)
Alternate Channel Selectivity ..... 60 dB (400 kHz)
Stereo Separation ..... 40 dB (1 kHz)
Frequency Response ..... 30 Hz to 15 kHz (±1) dB
Antenna Input ..... 75 Ω unbalanced

AM Tuner Section

Frequency Range ..... 531 kHz to 1,602 kHz (9 kHz step)
530 kHz to 1,700 kHz (10 kHz step)
Sensitivity (IHF, Loop antenna) ..... 350 μV/m
Selectivity ..... 25 dB
Signal-to-Noise Ratio ..... 50 dB
Antenna ..... Loop antenna

Miscellaneous

Power Requirements
U.S. model ..... AC 120 V, 60 Hz
Multi-voltage model ... AC 110 V/120-127 V/220 V/ 240 V (Switchable), 50/60 Hz
Power Consumption
U.S. model ..... 260 W, 360 VA
Multi-voltage model ..... 264 W
In Standby Condition ..... 7 W
AC Outlet
U.S. model
SWITCHED ..... 100 W (0.8 A) MAX
Multi-voltage model
SWITCHED ..... 100 W MAX
Dimensions ..... 420 (W) × 155 (H) × 374 (D) mm
16-9/16 (W) × 6-1/8 (H) × 14-3/4 (D) in
Weight (without package)
U.S. model ..... 9.1 kg (20 lb 1 oz)
Multi-voltage model ..... 9.2 kg (20 lb 5 oz)

Furnished Parts

FM Antenna 1
AM Loop Antenna 1
Dry Cell Batteries
[size "AA" (IEC R6)] 2
Remote Control Unit 1
Operating Instructions 1

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